

1 GCGGCGGCTC AGGGAGCTGG AGCCTCAACA GCCTCCAGCG AGCCCAGGAC
 51 CCGCCGACAG CCCGAGAAAAC CAGCCGAAGG ACGCGGGGCG GGGTCGCCGC
 101 CGCGGCCACG GGGTGCTCCC TCCCTCCCGC CCAAGTCCGG CCACCTGGTC
 151 TTCCCCCTCGG CCCCGGCCGT CTCAGACTCA TCAAATGAA ACCAGGAGGC
 201 TTTTGGCTGC ATCTCACACT GCTCGGAGCC TCCCTGCCGG CTGCGCTGGG
 251 ATGGATGGAC CCAGGAACCA GCAGAGGCC GGATGTGGGT GTGGGGGAGT
 301 CACAGGCAGA GGAGCCCAGA AGCTTGAAG TCACAAGAAG AGAAGGGCTT
 351 TCCAGCCACA ACGAGCTGCT GGCCTCTGC GGGAAAGAAGT TCTGCAGCCG
 401 AGGGAGCCGG TGCGTGTCA GCAGGAAGAC AGGGGAGCCC GAATGCCAGT
 451 GCCTGGAGGC ATGCAGGCC AGCTACGTGC CTGTGTGCCGG CTCTGATGGG
 501 AGGTTTATG AAAACCACTG TAAGCTCCAC CGTGCTGCTT GCCTCCTGGG
 551 AAAGAGGATC ACCGTCATCC ACAGCAAGGA CTGTTCCCTC AAAGGTGACA
 601 CGTGCACCAT GGCGGGCTAC GCCCGCTTGA AGAATGTCT TCTGGCACTC
 651 CAGACCCGTC TGCAGCCACT CCAAGAAGGA GACAGCAGAC AAGACCCCTGC
 701 CTCCCAGAAG CGCCTCCTGG TGGAATCTCT GTTCAGGGAC TTAGATGCAG
 751 ATGGCAATGG CCACCTCAGC AGCTCCGAAC TGGCTCAGCA TGTGCTGAAG
 801 AAGCAGGACC TGGATGAAGA CTTACTTGGT TGCTCACCAG GTGACCTCCT
 851 CCGATTGAC GATTACAACA GTGACAGCTC CCTGACCCCTC CGCGAGTTCT
 901 ACATGCCCTT CGGGCAGAAA TGCTGAAAAC ATTCAATTGT CAAAACTTG
 951 AAAGCCACAG GACTGAGCCA ACAAGGAGAG AAGCAATCAG GACTTTGTCA
 1001 TCAGAGGAGG CGGACTGCC CCACGTCCTA TCAAATTTAG TCCGGAATGT
 1051 ATTTGCCAT TATTGTAACT ATGCCCTCA GCTGCCACGC CGTTTCAGGA
 1101 ACGGAGCGCT AATACATTCT GTGGCACAGT CTCTTATGG GGAGGAAAGG
 1151 ATCCCAGTGC CCCTTGACAG AGAGAGAATA ATAGCATAAT GCAACAGAAC
 1201 ATTTTGAAA TGCTAATACA CGCTCTCCGC AACTTAATTT TATTTTTTTC
 1251 TTATTGGCTT TTATATATGA CATTTCACAG TCCTGTAGCC TCAATAGCTA
 1301 GATCTGCATC GTAAAAATGA CAACACGGTG ATTAAAGGAG GAGAGTCCAT
 1351 CAGAGCGAAA TGGGTGGGTGT GCTTTAAAG TATCAGTTA GCACCTCTTA
 1401 CCTGGGATCA ATGTTCATTC TCAATACATC ATAAAGCAT CCTGTTAAT
 1451 CAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA
 1501 AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAAAAAA AAAAA (SEQ ID NO: 1)

FEATURES:

5'UTR: 1-185
 Start Codon: 186
 Stop Codon: 924
 3'UTR: 927

Homologous proteins:

Top BLAST Hits:

	Score	E
CRA 335001101606041 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	507	e-144
CRA 335001101606043 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	393	e-109
CRA 335001101606039 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	204	2e-52
CRA 335001101547741 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	199	5e-51
CRA 335001101547741 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	199	5e-51

BLAST hits to dbEST:

	Score	E
CRA 1000479221223 /altid=gi 3644849 /dataset=dbest /taxon=9606 ...	769	0.0
CRA 157000140836445 /altid=gi 13450375 /dataset=dbest /taxon=96... .	737	0.0
CRA 61000077326330 /altid=gi 14464967 /dataset=dbest /taxon=960... .	654	0.0
CRA 1000490577863 /altid=gi 5394666 /dataset=dbest /taxon=9606 ...	611	e-172
CRA 61000077321890 /altid=gi 14464587 /dataset=dbest /taxon=960... .	605	e-170
CRA 61000077326375 /altid=gi 14464972 /dataset=dbest /taxon=960... .	599	e-168
CRA 118000028774058 /altid=gi 10908004 /dataset=dbest /taxon=96... .	100	3e-18
CRA 335001100819886 /altid=gi 11685581 /dataset=dbest /taxon=96... .	100	3e-18

EXPRESSION INFORMATION:

Tissue source of BLAST dbEST hits:
gi|3644849 Soares_testis_NHT

Tissue source of cDNA clone:
whole brain

1 MKPGGFWLHL TLLGASLPAA LGWMDPGTSR GPDVGVGESQ AEEPRSFEVT
51 RREGLSSHNE LLASCGKKFC SRGSRCVLSR KTGEPECQCL EACRPSYVPV
101 CGSDGRFYEN HCKLHRAACL LGKRITVIHS KDCFLKGDTMAGYARLKN
151 VLLALQTRLQ PLQEGDSRQD PASQKRLLVE SLFRDLDADG NGHLSSSEL
201 QHVLKKQDLD EDLLGCSPGD LLRFDDYNSD SSLLTREFYM AFRQKC (SEQ ID NO:2)

FEATURES:

Functional domains and key regions:

Prosite results:

PDOC00004 PS00004 CAMP_PHOSPHO_SITE
cAMP- and cGMP-dependent protein kinase phosphorylation site
123-126 KRIT

PDOC00005 PS00005 PKC_PHOSPHO_SITE
Protein kinase C phosphorylation site
Number of matches: 5

1	28-30	TSR
2	50-52	TRR
3	79-81	SRK
4	173-175	SQK
5	234-236	TLR

PDOC00006 PS00006 CK2_PHOSPHO_SITE
Casein kinase II phosphorylation site
Number of matches: 7

1	39-42	SQAE
2	50-53	TRRE
3	57-60	SHNE
4	167-170	SRQD
5	195-198	SSSE
6	217-220	SPGD
7	234-237	TLRE

PDOC00008 PS00008 MYRISTYL
N-myristoylation site
Number of matches: 2

1	35-40	GVGESQ
2	215-220	GCSPGD

PDOC00009 PS00009 AMIDATION
Amidation site
Number of matches: 2

1	65-68	CGKK
2	121-124	LGKR

PDOC00018 PS00018 EF_HAND
EF-hand calcium-binding domain
187-199 DADGNNGHLSSEL

Membrane spanning structure and domains:

Helix	Begin	End	Score	Certainty
1	4	24	1.553	Certain

BLAST Alignment to Top Hit:

>CRA|335001101606041 /dataset=GENESEQ /org=Homo sapiens /taxon=9606
/mol_type=aa /date=19-FEB-01 /length=842
/altid=derwent_ac|AAB19727 /altid=derwent_id|AAB19727
/def=Human SECX Clone 4324229-2 encoded protein
/patent=WO200061754-A2 /pat_section=Claim
Length = 842

Score = 507 bits (1292), Expect = e-144
Identities = 242/243 (99%), Positives = 243/243 (99%)

Query: 1 MKPGGFWLHLTLLGASLPAALGWMDPGTSRGPDVGVGESQAEEPRSFEVTRREGLSSHNE 60
MKPGGFWLHLTLLGASLPAALGWMDPGTSRGPDVGVGESQAEEPRSFEVTRREGLSSHNE
Sbjct: 1 MKPGGFWLHLTLLGASLPAALGWMDPGTSRGPDVGVGESQAEEPRSFEVTRREGLSSHNE 60

Query: 61 LLASCGKKFCRSRGSRCVLSRKTEPEECQCLEARPSYVPVCGSDGRFYENHCKLHRAACL 120
LLASCGKKFCRSRGSRCVLSRKTEPEECQCLEARPSYVPVCGSDGRFYENHCKLHRAACL
Sbjct: 61 LLASCGKKFCRSRGSRCVLSRKTEPEECQCLEARPSYVPVCGSDGRFYENHCKLHRAACL 120

Query: 121 LGKRITVIHSKDCFLKGDTCTMAGYARLKNVLLALQTRIQLQEGDSRQDPASQKRLLV 180
LGKRITVIHSKDCFLKGDTCTMAGYARLKNVLLALQTRIQLQEGDSRQDPASQKRLLV
Sbjct: 121 LGKRITVIHSKDCFLKGDTCTMAGYARLKNVLLALQTRIQLQEGDSRQDPASQKRLLV 180

Query: 181 SLFRDLDADGNNGHLSSELAQHVLLKKQDLDEDLLGCSPGDLLRFDDYNSDSSLTLREFYM 240
SLFRDLDADGNNGHLSSELAQHVLLKKQDLDEDLLGCSPGDLLRFDDYNSDSSLTLREFYM
Sbjct: 181 SLFRDLDADGNNGHLSSELAQHVLLKKQDLDEDLLGCSPGDLLRFDDYNSDSSLTLREFYM 240

Query: 241 AFR 243
AF+
Sbjct: 241 AFQ 243 (SEQ ID NO:4)

Hmmer search results (Pfam):

Scores for sequence family classification (score includes all domains):

Model	Description	Score	E-value	N
PF00050	Kazal-type serine protease inhibitor domain	42.2	4.7e-09	1
PF00036	EF hand	11.6	0.2	1
PF00243	Nerve growth factor family	4.0	4.9	1

Parsed for domains:

Model	Domain	seq-f	seq-t	hmm-f	hmm-t	score	E-value
PF00243	1/1	76	85	..	109 118 .]	4.0	4.9
PF00050	1/1	89	133	..	1 61 []	42.2	4.7e-09
PF00036	1/1	178	199	..	1 22 [.]	11.6	0.2

1 TCATTCCGAG GTGACTTTA ATTCACTCT TATTTTATGC ACAGTAGTTA
51 AACAGCTCAC TTCAGATGTT AGCATTCTCT CTAAGGAATA TTCCATACAT
101 CTGGTTGCA GCAACTACCT TCTTCTCCTT CTTGGGAAG CGTGTAGAAG
151 TTCAGTGCCT GTTCACTGCA TTAAACAGAG CTATTTCTGA TCTTGGTCAA
201 CCTATAGACC CTGATTTACA TATGACCTTG AGTACTAAA AAACAAAAAA
251 TACACAAAGT CTCGTTTGA TTATGTAATA AGGCCACTAG GCTGACTCAG
301 GGACTTTGTG ATCAGAGCTG AGAACATAGAAA TCTGCTTTTC CAAATACCTC
351 ATGTCCTTAGA GGAGAGCCGA ATCCAGCCTC TAAGCCATGG TGTACGTTC
401 TGACCACAGA CTTAGAATTA CATTTCAGAG GGAGGCACAG CACATTTCCA
451 AACTCCCTG CTTCCCTTTA TACTCATTT CTCTTTCTG TTTCCCAAGA
501 TGAAAAGTGC CATCCCTTC CCAGTCTGC CATGGAGAAT CTGGCCCCTA
551 GCCAGCCCCA GAAGTTCACT CATGGTGGCC TTGGCAAAGA TTCACTAGTCA
601 AATCTGAGAG AGGATCACAC TGGCTAGGGC CCAGGGTCAC TGAGGATGTA
651 GTAGCCTTTA TCCTTCTGAG TAAAATCAT GGATCCACA TGGGAAGTCA
701 ACCAGGTTT GTCCAACCCC TCATTTACA AGTGGGGAAA CTGATACCTA
751 CAGTAGAGAT ACGATTGGCT CTGCATTACA TAGCTGGCA GTGATAGAGG
801 GAGAGCTGGA CCCCAGACCA AAACGTGTG ATGCCAAGAC CGCGCTGGCC
851 CATTCACTGC TGTATCTCTA GCAACTATTA ATAGCACAGT GCCTGCTGCA
901 TTGGAGGGGT TCAGCGGCAG GAAAATCTGT GGAAGGAAA AACAAACGTA
951 ATATCTCTT CTTCAAGGTCA GCCTTCATT ATTCTCCCCC TTTCTTAT
1001 ATTTAACTAA CTTCATCCTC AGAAAATCC CCTCTGTCAC CTCCCCCGG
1051 CCAGGAGAGA TTACAGAGGC ATGGACAGAA CACTGTTCAC CTAAGCCAGG
1101 AAGGCCCTG GTGCCACGC AGCCAGAGCA GGAGGCAGGC CCTCAGAAAG
1151 TCTCTGGCC ATCAGCCTGG CCTGGTAGG GGCTCCCTCC TAAGTTCC
1201 GCCAGACTGA GGCTACGTAT GACCATTAT GGGCCCTAG TTGTTACAAA
1251 GGTGTTCCA GTTCATTGCG GAAGGAAGAC TGATCTCAA AGCTGCTGAT
1301 GTTAAAGAGG GATTCAAGAAA AGTTTGGGAG CCCCAGGCTT GGGGATGGGA
1351 TCAGGATGGG GAAATATCCT GTTCTAAGGG AGAAGGGACC CTCTGGGCC
1401 AGCTAGGTCA GTTCAAGGCAAA TGTCACTTGG GATTGCCCT GTATGCCCTG
1451 AATGTCCTAA GATTCTGTAG TTGGAAGAGG GAAGATTCAAG AAAAGAGAAA
1501 ACCTTGCTG TTCCCAGGT TGTTGGGTCT CAACGGCGGG GGATTTACCC
1551 CACTTGCTC CCAGGGACAG CTCTCCTGCT GTGGTGTACC GGCCCGCC
1601 GACTCCACGA GCAATGGCCG CGGATTCAAGA GACCCCTGT GCGCCTGGAG
1651 AGCACAGCTT TGGGAAACCT GGGCCGGAAA GGAGCCTTGGA GGAGAGCAGA
1701 GGTGAAGAGG GGTGTCACT TGCCGAGCTC CACCGTAGCC AGAGGCAGGA
1751 GCGCTACGCT GGGCCTCTC CCTCCGGGCC CTAGATGGCC CCAGCGCTCC
1801 CGAGTCATCG CGCCCCCGCGT CGCGCCCGC CTGCTCCCGC CACCTGCC
1851 GGCGCCCGCG CGGGTCTGAC CGGCTGGCGG CGGGCGGCC CGCACAGGTG
1901 GCGCGGATTG GGCAGGCGGG GCCCAGAGGG TGACGTACCG GGCTCCGGTC
1951 CGGGCGGAG AATAGGGCA GCGCGGGCGG CGGTGGCACA GCAGCGGGCA
2001 GCGGGGCTC AGGGAGCTGG AGCCTCAACA GCCTCCAGCG AGCCCGGGAC
2051 CGCGGACAG CCCGAGAAC CAGCGAAGG ACGCGGGCG GGGTCGCC
2101 CGCCGCCACG GGGTGTCCC TCCCTCCCGC CCAAGTCCGG CCACCTGGTC
2151 TTCCCCCTCGG CCCCAGGCCGT CTCAGGTACG CGGGCGCAGC TCCCAGCGGG
2201 CGCGGGGAGG GTGCCATGTC GCTGGCGCCG CCACCAAGCCG GTCCCGCTGC
2251 ACCCCACTGG GGTCTGGCG CCCCGGGGCC CGCATCTTGC TGCAGGGGCC
2301 GCGCGGGCG CTTGCTGTG CTTACTGCC GCGCCGGAA AGCCAAGTTT
2351 GCGCGGGGG AAGGGACCGC TGGGCCAGGG CTCGGCAGGG CTACCCCGGC
2401 CAAGGCCAGG ACTCGAGGAG AGGCTGGGAC GCGGAGGCTC GTGGCCGGGG
2451 TCTACGGTGG GGACCGGAGT GACCCGGTTG GCACGCGGGG CGCCACGCAG
2501 AAGCGCTCGG GCCGAGCCCG CAGCTCGCG CCGGCTCCGA AATCCTGCAG
2551 GCGCGGTCT TGGGTTCAAG ACCCCGAGCG GCGCCGGCG AGCCAGGGCA
2601 GCGCGGCCCG TCGGCCCGGG CCCGGTCCCC TTGGCTCCGG GTTGGGGCGC
2651 CGGGCAGGCA TTCTCAGCAC CTCCCTCCCG CGGCTTGC GGGAAACTTG
2701 CGTCTCTCG CTCCAGGCCA AAGGGCCCGC TGCGCTTCGC CTGGCCCTGG
2751 CTTCCCCGGG GTCCGCCGCA TGTGAGGCTG GGGAGGAAGG AATCAGGGCA
2801 CGACCCGACT CCAGGCAGCC TCGGGCGCTG CTTGTGCGTA GCGGGCCCG
2851 GTCCAGAGTG AGCGGCCGG GGTACCCGCT TGAACGTGTC TAGGGAGCAG
2901 TGTGTTGGGG CGGTTCAAGC TTGGGGCTGG GGGCTTGGTC CTAAGAGAGC
2951 TTGCACTGTG GATGATCTCC GCGCCCTTTG CGGGCGCAAA ACAAAAGACCA
3001 GTTCTGAGTT TCAGGAGGGG CCTGGACGAG GCAGGCACAG CACTCTGCTT
3051 TCGGCCCTG TCGCCCTCGAG TTGGGGACG AGCTGACGCT AGTCTTGGG
3101 GCTCCCTGCA GCGACAAAG CGGCGCAAC CCCAGGCCCTG CCACCTGAGG

3151 ACTTTGTGCC CGCAACTCTT GCGGGAGCGG AAAGCCGCCG AGGCAGTGGG
3201 GTTCTTGTT TTCCAGAGCG CGCGGAGCCT CCGCGCGGCG CGGCAAGTGC
3251 ACTAGGAGTG CGCGGGTCAG CGGGGCGGGC CCGGCGAGGT CGGTGTCGCG
3301 GCTCGAGAGC GGGTGCCTGG GCGCTGTCCA GCAGCCCCTCG CTCGCGGGCG
3351 CGGGCCGCCG ACACGTATGA ATGGCGCGGC CACAGCCCCG CGCTCCCCTC
3401 TAGGTGTCGC TTCCGCGAG CTTCTCTCCA GTGAAAAACA GCGCCGGCAG
3451 CTTGGTCTGT TACCTCGTA AATTGTTGTC AAGCCTGTGC ACCAGGAATT
3501 GTACTAGATG GGGCCCCCGA GATACAAACA TCCGTCCAGG TTCTCTGGC
3551 CAAACGTAAC CAGAATTCA ATAGGTGGTG AAGTAACACTGC CAGCCAAAAT
3601 GTTCACCGGG AATGGGCTG TGTCACAATC TGTGAGGGGA AAAGACGGAT
3651 CAGTGAGCGA CTAGGACTCT TCTTGAAAGT CCTAAGTTAT TTTCTACTG
3701 CCAAATTTAG GGGAAACCG CGATGCTTT TAATAGTGTC TTCTTAATCC
3751 TGGGAGCCAG GCGCCAGTT CTGTGCTGCCC CCCCTCTGGCC CCCAGGACAG
3801 ACTCTGGGTC TGGTTGGCGG GGGGTCACC TGGGAAGGGGA ATGGTCGGAG
3851 GTGTGAGTGA TGCAGCTCT GAGACTCCAG AGCCACAGCA ACTCTCAGGC
3901 AGGAGCTCAA GCCGGACATA CGAGCAGATG CCCTACAGGG CACGTGCTG
3951 CTTCCCATCT TAGCGTTGT AGAAGGAGGC ACTGCAGCAT CACTAGACCA
4001 TTTCTGCCAT ACTCTGCTAA ATGTTCGCTT TTTCCCTCCC ATCCTAGGAA
4051 AAAAAGGCAC CACCCCTCTCC AAAGACTTCA GACTGAGCCA AAGTTCACAT
4101 AAGAAAATAG TCCACTTTGA TGTAATGTAT TAAATTGCT CGTTAGAGTT
4151 GTCCTAGTGC TTTTTCTCT CTTAGACTTT TATGATCATC CTCAATTTC
4201 GTTGATTCTA GGAAAGCTCT TTTCTCTG GAAAAGGCCA GCTTGTTTT
4251 CTGGGTATTA GGAGAACTTT TATCCTTCTG GCTGTGCCCT GGAGGTGGT
4301 GAGGGAAGAG GAGGTTGGAT TTTCCACCA TGACAGTCA GTCACTGAGG
4351 ACTTTTTTC CTTTTACTAA GGGCGTAGG ACTTTTAAA TGTGACCTTC
4401 ACGTTATGAT CTTTTGTTTG ACTTAACACT ATATTCAGAG ACTAGCATTG
4451 AATAGTCATT GTTTCATAAA ACTACCTTAA CTCCTACCTT GCCTGTTTG
4501 ACTGTTTCTC TGCAAACCTCA ACCTTCTTGA GTTGCTTATG TGCGGTTAGT
4551 TGTGTGCTTC CTAGCTTAAT GCAATTAGAT ATTCAAGAG CACATCTTC
4601 TTTACATTTT CTGTCATAAT GCATAACATA AGGCATGGAA TTTCCAATAA
4651 AATAGAACTG CAATCAAGAG CATGTGGTTC TAAAGAGGTA TGAGCTGAAG
4701 GTTGTAAAGGA TAAAGTTA TGGAAAGTCAC ATGTTGTGTCT GTGTTAACG
4751 TCAGAGTAA TAGGAATAG GATTTATACA TGGCACATAG AATAATGTAG
4801 CCATCTAATT TATCAAGTGT TGGGGAGAA TTAACTAATG ATATAGAGTA
4851 GATAATTAAT AGGAAATGCA ATTTAACCTC ATTAGGGCTT GCTGCAACGT
4901 TAGCTGCTA TATCTCCATG CCTAATTTC CTGGGTTGGT GTTTTAGGGA
4951 CTGCTTCTAGG AAATCTGTAC CACTTCTTT TTTCTAAAAA CACTCACATA
5001 TCAAAACTAG GGTCGTAAGC CTTTGAGAGG TTCCCGTACA GCCTCCTGGT
5051 TTCACGCTGG GGTTGATGTG GCTTTTTTC CCCCTTTAAA TTTGAGCAGA
5101 CATGCAGAAG AGAATTCCAC GTTGTATTCA GTCACTTATT GGAATTCCAG
5151 AATCCCAAGT GATTTTATA TGTTGATTGC CAACATGCCA TGTATGAAAT
5201 GCTACACACC TACAGTGTGT GTAGGGCAGA CACTTTTC TTTGGAAAGG
5251 TTGAGAATGCA AGATGCTTC GGGTCACAAA TCTGACTGTT CTCTCAAGG
5301 CTGGGTGGCA TTGCTTGGTT CTGCCAAATC ATCTTGTAA TTTCTGGTCC
5351 TGTTGATTAC AAAAAGAACG CATTCTGTAA TGGCTAATCC TTAATGGCTA
5401 GTCTGGTAAAGT TACCAAGT TCTGGGAGAG AGGCTGAGAG AGAGAATGGA
5451 TGAACAATGCA CACCGAAACT CTGAGGGCCA GAATTCCCAT TCTTCCCAAC
5501 AGGGCTGTTT CCTGGAATAG AAAGAGAAGT TTGTATTAAA CCCATTGCCA
5551 GTTTAATGGG ATTGCTTCTC TCTGGCTTAT GAACTGGTC AATAAAAGACA
5601 GCTTACATGCA CTGTTGCGT TCTCTGGGTG GGGCAGATT TGGTATTTT
5651 ATATGAATAC CTATTCTCC CTAACAATT GCATTCTAT TTCATGCTTT
5701 TTCAGCTTTC TCAAAAGC AAGTCAGTAT TTGGAATGTT ACATCATACT
5751 AACCTGTAAT ACCTCTGTAA TTCTAAATAC AGATAAAATAA TAAGCACAGAT
5801 ATTAGCTTAT TTTAGAACAC CTGAAAATCC TGTGGTTTC ACAAGGAGGT
5851 AGACAATCTA GTGGAGGTCC TTCAGCATTG AGAAAAGCAA AATCTGCCA
5901 TCTAAACAAA GAATCCAAAC TCCCACTCTA GATGTAAGTG TGCCATAATA
5951 TAAGGAACCA AACAGTTGCC CTGGGGCAG GATGCCCTGG TTCCAGTTA
6001 GGCCTAGCCA CTGATTTGTC CTTGAACCTG GGTGGATTG TCCACCTCT
6051 GGTCTCTGG TGTCTTATCT ATGCGGCCAGC CAGGTTAGCA CCAGGTTCTC
6101 CTGACTGGGG GAATGTCGTG TGAAGCTCTG GTAGGAAACC ACAGGGGAAG
6151 CAATGAAACA CCTCCCTTCC AAACAAGATG GTTAAAGCAT CAAGTCAGTG
6201 TACTTTATGA CTGTTGGA ACAAAGGTG GTCTCAGCTC TTTATATGGG
6251 GACAGTCCTA GGTAGATTAA TAATTAATAC TTAGGGCTTA GCAAGGATTG

6301 AATGAAACTT ATTAATCTAA ATTGATCTCA AAAGGAGCTC TAGGTTAAA
6351 AGGGGATTG TGACCTTATG GATGCCACCT TCCAATTCT ATAATGGGA
6401 GATTCTTGCA TTTGCCTCTA TCTGAAGGCC AGTAGGACTA TTTGAATTG
6451 AGGAGTAATT AATTGTTAA CAGATTACT TCTCCAGAGT GACTAGCCT
6501 ATGATGCTGG TGCTCTCCGT GAGCTGAGGG GCATCGGGCT GGGATTCTGT
6551 GCATCTTTT ATGGTCCCCC TCCCTCCCTC CCTCCCTTCT TTCCCTCTAC
6601 CGTATTTTT CTTAGCCCCTT AAATAGACCA GCAGTGAGGA CTGAGGAGAG
6651 TCTGCCAGG GGCCCCCATC CGGGGGTAGA ATGTGGGAAT TAAGGGTGAG
6701 CAGCTTGGCT CTCTGCCCTT GGTTGGAGCC ATGAGGAGGA GAGTAGCTCG
6751 TGGCAGCTTT CAGAGGAAAG GAGAGTCTCG GGGCCAGGGC CTCCTATCTT
6801 ACTGTCTCTA GATTTCCCCC ATTATACTAA AAACAACGTG TTATCAAAAC
6851 AAAACAGGCA GGACAAAACA AAACAGACAG GCAGCAGCAG GTGGGAGTTA
6901 AGAGAAATAGA TGTGTTGGGT CTACGTGCT GACTTGGAAAT TTCAAGTTTG
6951 CCACCTGTCT GCCACATGGC CTTGGCAGAG TCCTTAACCT CTCTGTGACC
7001 CCATCTCTC TTTCATCTGA TTGAGGGATA ATCATTGCCC CCATCATGGA
7051 GTAGAAAAG GAGGGTTATG AGTTAAATACC TGTGAAGTGC TTAGAACAGT
7101 GCCTGACACA TCGTAATTGC TATATAAGTG TTAACCAAAT AGATAGTCTC
7151 TATTTGATTA TTAGACAGAT AATCAAAATT GATTTAGACC CAATATTAAT
7201 TCCTTTTAT GAACTGAAC TGTCAAAAC TTGAGCTGTA AATTTCAGG
7251 CTGTTGGTGC TGTAGATATA ATGAATTGTC AATCACCGTT AAGTATAAAA
7301 TGACATCTAA AACACATCCA CAGTCAAAT GAAATCACAG CTAGTGGTAG
7351 ACAGACTGAG CTAACATTAA CAAACAAGCT GCCCAGGAGT ATTCAGTAG
7401 TTGGCCTGGC TCATGTGTT TCCTGTTCC AGAGTTTCC TGTTTCCAGA
7451 TACAATCTTA CAGGAAATAT AAACACAAAC CAGATAAAAC CAGTGGCAAC
7501 TCCAGGCCAA GCTCCAGGCT TGGATCTTGG GCCTCCTGAA ACACAACCA
7551 GAAACCCAGCA GTCTTGGTGC ATCCTCTTAT GAACTGATT GGCGCTTGCC
7601 AAAATCACAG TTGAAATGAA TATATTTTAT TTTAATGCTA CCCATTAGTA
7651 CAAAAACATA AAACATAATT GATCTTAGAT TACAAAGCAG ATTAAAAGTT
7701 AAATACCAGA TTTTGTGGCT TATGTATTTC ATAATCTCAA GAGTTGACAT
7751 CTGTACATTA ACTAGAATAG ATTGGATTA TCTGCTGTT TTTCGTTTAT
7801 GTGAGCTAGG AGACATGGAA AGGGAGAAAA GTAGACCTTG CTCTGTTG
7851 TTACTCTGTG AGCAATGTT GATAGTAGAT AAGTAGGACA AAATTAATGA
7901 GAATAAGAAG CAATGTCTT CTAGTTCTAG CTAAATTTT TATGGCTGGT
7951 TTTTAAAAAT TCCAAAATC CACTCCGTG TTTCTGCAGT CTCTGAAAG
8001 TGGCTCTGCA TTCAAGAGAG GATTACTTAT GGAGAATAGG GAGTTACCTT
8051 GTTTATTTT AGAAAATGG GTTGCAGCTC AGCTGGGCAT GGTGGCTCAT
8101 TCCTATAATA CCAGCACTTT GGGAGGCCGA AGCAGGTGGA TCACCTGAGG
8151 TTGGGAGTTC GAGACCAGCC TGACCAACAT GGAGAAACCC TGCTCTATT
8201 AAAATACAA ATTAGCTGG GCATGGTGGC GCATGCCGT CATCCCAGCT
8251 ACTCGGGAGG CTGAGGCAGG AGAATCACTT GAACCCAGGA GGCGGAGGTT
8301 GCAGTGAGCC GAGATCGCAC CATTGAACTC CAGCGCAGGC TACAAGAGTG
8351 AAACCTCCATC TCAAGAAAAC AATAAAAACA GGTGCAGTT AGGGGAAGAC
8401 ATTTTATTTC TTAGTCCCCA ATATGATTTT CTTTCTCTGC TCCTTCTCCC
8451 TGTAAGATTT CACACACCCCT AGCTAGATCA CTGGATCAAG AGCGCAGAAG
8501 CCATTGGGGG GCAGGGGGAGG GAGTCCCGTG ACTGCCGCAG TCCTCACAGT
8551 CCTCTCCCGG GTGGCAGCTG AAGCGCATT ATTCCACTCA ACTCTGCCCT
8601 CTTCAGAGTG TGGGGCAGGT GCTGATGGTG AGACTGTGAC CTTCAGATTA
8651 TATTTACTGA CCACCCAGAC TCTTTCTCG GTAGCTCAGC TTTGTCAACA
8701 GATGTCAAAG ATGAGTGCAC GAAGAAAACAG ATATAAGAGT GGGAGCTTAT
8751 GGACTTTTT TAAAACAAGC AGACACCTTC TCTAAAAGA CAGTCATGCC
8801 TTATAACCTT GCCTTTCAT AGGCCAGTGC CATAGGCCCA CAATTTGAG
8851 TCTGACTTCT CCTCCCTGTG GGCATTCTG TCTCCAGCTG GAGACATAAA
8901 GCAGATGTGG AGAGGCAGCT CTATTGGAT GTGGATAGCA GCCAAACAAA
8951 ACCTGGAATG TGGCAGGAGT GTAATTGTT GCCAGCCCTG GACTCAGCAC
9001 TAGTACTAT GTGACAACTT CCACCCATT GTCTAAAGTA GGGATGCTCC
9051 AAAGCTGTG CCTATGGCAG TGAGCAGGG TGAGCTGCCA GGTCCCTCAA
9101 GCACCCACTT CTTCTGAAT TGGATGTCTG TTCTGGACCA GCCCTAAGCC
9151 AGTTCATGCT GGATGCTGGC CTCCAAGGAG CTCCGGTGTG TTTAACTCAC
9201 CAGCCTAGAT CAGGATGCCAG TGTGGACCAT ATGTGATTAAG GCACCAAATT
9251 GTGTGGTACA AGCAGAAAATC AATAACCCCT AAAGTTCCCT TGAGTAGGG
9301 TTCTAAGTAC TACATAATGA GTTGTATCTG GTTATGTTTC ATAATCAGAA
9351 TACTGAAATT ATGGTTGGAC TGTGTTACAA GTGAAAACCT TTTTCCAAA
9401 AAGTACAGCT TATTGGACAA GTAAAGATAGT CTGTATCCTC ATTTCCTCAG

9451 CACAAATGCTT AGCACATGAT TTGGACTTGA ATATTTGTTG TAGCTGATCC
9501 TTAGTTTTT CATCCATGTG ATTATTTGAT TACCTTGAAT TGCTCACTTC
9551 TTGCTTTTA GGACTGTATA CAGTAATGTT ATCAAGTGAG CCTCAGGAAA
9601 CACCTCAAAG GTTATTGAAA TTCTGTTATC ATGGATGCT TGGATTCTGC
9651 CACAAAAAAT GGTGGTCTT GAAACTAAGA TATTAGACCT TATGATGCCA
9701 TTTGAAGCT CACTGTCTTA TAAACTGAGG TGCGGCTGC AAATGAGGTG
9751 CCAGAGATGT AACATAATT TTAATCATCA TTTCTTTTT TGAGACAAGA
9801 GTCTCACTCT GTGCCAGG TTAAAGTGCA GAGGTATGAT CTCGGCTCAC
9851 TGCAACCTCC GCCTCCCAGG TTCAAGCGAT TCTCCTGCC CAGCCTCCTG
9901 AGTAGCTGGA ATTACAGGTG CCTGCTACCA CGCCAGCTA ATTTTGAT
9951 GTTTAGTAGA GACCAGGTTT CACCATGTTG GCCAGACTGG TCTCAAAC
10001 CTGACCTCAA GTGATCCATC TACCTCCGCC TACCAAAGTG CTGGGATTAC
10051 AGGTGTGAG CCACTGCGCC CAGCCATAAT CATACTTCT CGAGCACTAA
10101 TTGTTGCGCT AGCCCCAAAT GCTTTCTCAG GAAACTAAGG CGTGGCTATA
10151 TGGCAGCCTA ATAGAGGTGA CCCACCTGCC TCACCCCTGGT TTGTTCTTAT
10201 AGATGTAATG GTAGGTGGCA TTCAAATGG GTTCCACGT AACAGCATT
10251 ATAGAGTTCT TACTCTATGC CTGACACTAA CTCCCTCAAT CCTCACAAAA
10301 GCCTTCGAG TTACATATTA TTGCCATTAA AGAAAATAAGT AACTAAGGC
10351 TCAGAAGTAA TATAACCTCT CCAAGGTAGA ACAGAAGTTT GGTGCCAGGA
10401 TTTAAACCCA GGCTTATCTG ATTCTGGGG ACACATACTA ACTCACTGTG
10451 ACTTATTATA TCCATCTCAT AATGTTTAT TCTCAGCATT TGTCATTCT
10501 TCAACAGACT CATCAAATG AAACCAAGGAG GCTTTGGCT GCATCTCACA
10551 CTGCTCGGAG CCTCCCTGCC GGCTGCCCTG GGATGGATGG ACCCAGGAAC
10601 CAGCAGAGGC CGGGATGTGG GTGTGGGGGA GTCACAGGCA GAGGTATAGT
10651 CAAATCCCTG CGGACATAAC ATTTCAAAC GATTGCTTTC CGATGTTACA
10701 GTATCTGATT TCCCCTCCAC CTTTAGTTA GATCAGTTAG ATCACAAAGT
10751 GAATTAAAAT TGCACTTCCT TTTTGGGG GACAGAAGAA GGCAACCTGT
10801 GTGGATACAG ACAAGAGGT GATAACACGA CGTGAGTAAT GGCTCTAAA
10851 CCTCTCAGAT GCTGAAAGTG TATTCCGAA CCAAGCTTGA ATTGCCTGGT
10901 TAGTCTCTAC AAAGACCCCTC AGGAGAATGG CCTTCTGTAT TATTTAATAA
10951 AACTCTGAAA ATGCAAGAGTA ATTGGTGGAG CACACCCATG TGAATTAGTG
11001 AAGTATTTA ATTATAAAAT ATATTTGAAA AGAAATGGAC TACTTTCAG
11051 GTATATAGAT AGAAAGCACC AGGCTGAGAA AGAACTGGCA ATGGAGGTC
11101 CTAAGGGAGA GTGCTTTAAT GAACAGATAA GAATGATTAA TGGCATGTTA
11151 GGTATATATA AATGCTTCTA AAGTGCTTGA AAAACTTGTG CTCAAATACC
11201 TCCCTGGAGA GTCTGGATGT TCTGCTAATT GCTTAGTGAA CCCTGGTCTT
11251 ATGTAAGTAA GAGGATCCAT AAACTGCAAC CTGGCCCTCT CCAAGGTAGT
11301 AGGTCCATG AATTTGGGGT TCATGGCAA AATGTTTT TCTGCAGAAA
11351 ATGCTTGTG TGTGCTGACT CTTAAGGAAT GACTTCACCC TTCCATTAAA
11401 ACCACCTGGG ATTTCTCTA TGCTGTGATG AATACTAATT CTAATAGGC
11451 AGCTTCCAG GGCACCTTTC CTCCCATGTT CTTCTTGAT GCCTGCCGTT
11501 CTCTTTCT TTGTCCTGT TTCTGTCTT GCGGAATGAG AAATAAAAAT
11551 TACCTCAAAA AGTCAACATT CCCAGAGAGT GAATAAGGTT ACTCAGTGT
11601 GGGTAGGATT AATGCATTAT TTGATCAAAA GACATGATTT CTCTTTCATT
11651 ATTACTTAAT TGTAATGCAA TCCCAAACCT ACCAGCCTTA ATCTTGAGG
11701 AGCCTCAGAA GTAATTTAAT GTACACTTTT CCTGAGAAG TTAGTGTGCC
11751 TTCTTTGTG GGTGAGCAGA TGATTAACAA GAAACGCTAT CTCTGCCGTC
11801 TAAATCCATG AAGGACGCAA TTTAATGCTC TTTGAAAGA GTCTGGAGGC
11851 TGGCTGCTG GTGAGAACAG CATTCCCTT ATGGGAACAG CTTTATCAGT
11901 ACACTCATAT CCATACCAAG AGAAAATGAT CACTTAAATC CTACACATAT
11951 ATTGTGAAAT ATTTAATAGC AAAGCAACAA GACAAACACA CAGGTAAGCT
12001 TAGTCTCTT ACTATTGGGG CTCATCGGCC CACTGTTTA AACCACTTAT
12051 TTCAAATAAA AGTATCAAGT CAATTAAGGT GGGATTTAGC TGGAGGTAAA
12101 TTGAAGGTAA GTTAATATCA ACCCAGGGCC TCTTATCTT AGCTGTTAAC
12151 ACCCTAATT CTTGTGTGCC AACAAAGAAGG AGCAGATGCT GGTCAATTGG
12201 AGGAAGTAAAC GCTTTTGGGG GGTTGTTATT TTGCTCCCT GCAACCCCTG
12251 CTCCAGGGTA GCTTTGTCT TCCAAGTCCA GGAATGTTGC TGCTTCAGGA
12301 AAGGGAGGTG ATGACTGTGT AGATTCTGCA CCACAAGAAC TATTGCCCTA
12351 TTGATCATAT ATATAGTTT TTGCTATAGC TTTGTTTTT GCAGTATTAT
12401 AACTCTAAAT CATTGAAACT GTTTCTATCA GTGATTAAT GAGATGATAA
12451 TAATGGAAT GGGCCTAGGG CTTAGGATGG CCTAGGTTAA AGGTTAGCT
12501 GCAGAGAACAA GAACACTTCC AGGTACGGTG GCTCACACCT AATAATCCAA
12551 GCAGTTGAG AGGCCGAGGT GGGCAGATCA CTTGAGCCCCA GGAGTTCAAG

12601 ACCAGCCTGG GCAACATAGC AAAACCCGT CTCCACTAAA AATACAAAAG
12651 TGAGCTGGGT GTGGTGGTGC ACTCCCTGAG TCCCAGCTAC TCGAGAGGCT
12701 GAGGTGGCAG TACCACCTGA GCCTGGGAA GTCAAGGCTG CAACAAGCCA
12751 TGATGTGCC ACTGCTCTCT AGCCTGGGTG ACAGAGTGAG ACCATGTCG
12801 AGAAAAAAA AAAAGAAGA AAGAAAAAGA AAAAAGCTCGA AGAAAAAAA
12851 AGAAAACAGA GAGCAGAACCA TTTATTAA TCGGTTTGTG TGCAGCCCTT
12901 GCTCACACTC TGTTCATCCC TCCATGCACC CCCATGCCCG TGCCCCACAG
12951 GGGCCTCGTG CAGAGCGTGC TGTCTCTCT TTCTATGTCT TTGCTTCTA
13001 CACCTGACTC TCCTCCCTCC TCAGGGCCA GCTCTGGTTC TTACTTTTC
13051 TTTAGAACCT TCTTGCACCA CTCTGGTCA CACCTGGTCT CTTTTCTGA
13101 ATTCTTAGTC CTTCTTTCT CTTTTGTGTT TCTTACTCTT TTATTTTAC
13151 GTTAGCATAT GGATGGAGCC TGTCTTATTG ATCTTTTCTT CCTTACAGTG
13201 CCTAATAATT TTATAAGCAA AATAGAGGTT TGATGCATT TTAAGCCAAT
13251 CGATATTAT GTGACCTTGTG GTCCTGGTCA TAAAGTCACT CTGGTGCTTC
13301 CAAAATTCAAG ACCAGACCAT CAGGTATTTC AGCGCAGGGC ATACCTCCCT
13351 GCACAGCAGG TTCATCCCCA GTGGGGACGT GGATGGTTT CCCCAGCAAA
13401 TCTGTGAGCA GCCTGCAGGG CGGACAGGCT TGCATCCTAA TATCCAAGAT
13451 AGTCCTTGCG TGTATAGTT TCTGGTAGT TTATTATTTG AACTGTAGCT
13501 ATTAATGTAT CGATAACTCA CAGTCCAAAC CATATTAAAC TCCTCTAGCA
13551 GTTTCTGCAG ACAGTCTTAT TTCTGGAAG AATCAAAACC AGCAGAGTTT
13601 CCTGAGACTC TAAATAAGTG AAAAACCTTT TTCAGGAACC AGATATTAAA
13651 ATGTTCTGC ATTTCTTCCC AGTAGTAGTA CTTCACACAA ATACTCATTG
13701 ACTTAAGATT TTTAAAGTAC TTAGAAAGCG TAAATAAGAT TTGATTTACC
13751 TTTAAAGTTA TTATACCAAT TACTTGATTG ACCTAAGGGT AAATAAGAAT
13801 TAAATGACCA ACGCCTGTGT GTGCACATAT TTTAAAGCA ATTATAGCAA
13851 GTGTTAAATT ATTGTTTTAT GTACAAAGAC TGCAGTGGAA ATAGTTCAA
13901 GGAGTTTACCC ATTTTACAGA CATAGATAAA AAGAAATACA GCTGGGTGGA
13951 GTGCCTCTTT CATAAGAGTG GAGTGGCAGA ACGTGCCCTA GAATACTAAT
14001 GGAATTCTGA ATTCAAGAGGA AACAAATTCTG AGAGGTACAA TTTATTGAAA
14051 TAATGAAATG TTGTTATATC CCCCCCCCCCT TTATCCTACA CAGATGCATT
14101 TTGACTTATG ACGGGATTAC ATCCAAATAA ACCCACTGTA AGTTGAAAAT
14151 ATCATAGGTG GAAAATGTAT TTCACTACACC TATCCTACCA AACATCGTAG
14201 CCTAGTCTGA CCTGCCTTC GCACTGTCAG AACACTGACA TTAGCCTACA
14251 CTTAGGGCAA ATCATCTAA CACAAAGCCT ATTATATAAT AAAATGTTGA
14301 ATATCTTATG TAATTATTTG AATACTGTAC TGAAAGTGAC AAACAGAAGG
14351 GATGTATGGG CACTTAAAG TAGTATTCT ACTGAATGTG TATCATTTC
14401 ATACTATGCT CATGTTGAAA AATCCTAAGT CAAACCAAAAC CTAAGTCAGG
14451 GACTGTCTGT ACACTGGTCA AGATAAATAT AGTAGAAAAA TCAATATTGA
14501 TAGAATTGG TATTGAGGG GGAACCAAGG AACAGGAAG GGGTGAGAAG
14551 TGATATGGTA GCAGCCTCCA GAGAGCATACT CTGCTTTGA GAAATAGGCA
14601 TTTGGGGAG CCCCCCACTT TTGGGGCTG GGTGCTGCAG TGGCCGCC
14651 CCCACTTTG CAGCCTGGGT GCTGTGGCGG GAGCCTCCCC TTTTGGGGCT
14701 AGGGTGTG CATTGGAGCC ACCCCATTG TGGGGCTGG GTGCTATGGT
14751 GGGAGCCTCC CACTTTGGG GCCTGGGTGT CGTGTCCAG CACCAGCATC
14801 TCACCCATTG GCTGGGCTCT GAGATTGAAT GGTGGGCGTT ACATGGTCTT
14851 ATACGTCTT CATGCATT ACTGAACCTT TTCTAACGA CTCTTACCCA
14901 TGGCATATAC ATAGTCACGT ACTACATACC TGTACATGTT AATATTGATT
14951 CTTTCTTAAA TTGTCACCTC ATGTGCCTCA GTGCTTATAG ACCAGAGATA
15001 GGTTTGAGC TCAGACACCA TGGGTTTCA GTATTGCAA ATTCTCTCAA
15051 AGTAAAGTCT TTGCAAGAAG AATATGTGGA GTGGTGTCA CTAACCTAAA
15101 CATGATTCCC CGCCTCCCTA ACCTCAGGGG TCAGCCTAAG ACAGCATTGA
15151 TCCTACCCCTG ACTGACCGGC CCCTTCCCCCT TGCTACAAGT GTGATGGCA
15201 GGCATGACAC TCCGTCCCC GCGAGGCATG GCAACCTCAA ATTGCAGAGT
15251 CCCTTAGATG CTCCGTGGCT TCGTCCGCC TTGCTGGGC ATTCACTGAGT
15301 ACTTGGGTG CTAAGACTGA GCACTGATTT TTACAAAAAC ACTTTCACTG
15351 TTCTTATGTA TTCAATTGTCT TAACGCTAGT GTCCCTCACC CCCAACCA
15401 CTTTCTGATA AAATTCTCCC CACCAACCCAT AACCCCTGACT GTGCTCTTG
15451 ACTGATTACT GGGGAAGAAC AGCTGGTGT CTGTAGGGCT TGAGATCTGC
15501 CCGTTGGTGT TTGTAACCTC CCGTGGCCCTC AGCTGGTTG TGGGCATAAA
15551 TAAAAGGAAC TCCCTCTTCC CGGTGAACCA ACGGGGGTCC AAGCTGGACG
15601 TTGCGCATTTT CTTAAGCCTC ACCTACAGTA CGTGTGCATC TCTCATGGCT
15651 TTCTGCCGC ATCACCCCTG TGATACTCAC CATTGCAAAT TCTAGTACTT
15701 GACTGCTTT CAAAGAAGAT GAGACCCCTGG GCAAGGTCTC TCAGCAAGAG

15751 GCGAGAATGG TCTCCCCAGG GCCGTGGACCC CCGTGGATAA CCGAACCAACG
15801 TACTCCTTTC AAAAGGATCC AGAACTTCCT CTGCAGGTGC GGTGCTGGTT
15851 GATGTGGGG CCACCTCTCT GGGCCCCCTAA CACTTAGCCA GGGCTTCTG
15901 CTGATTATTC TGAGTCAGAG GATGTGGATA TTCGTTTTTC AGGTACAAC
15951 GGGAGGGCAC AACCTCCCAC CTATAGACGT TATCAGTACA TTTATAAATT
16001 TCAAGGCAAA TGATGGTGGC AGAACCTCCC AAGGTCTCAG GGGCATTGGG
16051 ATTAACCCAT TCCCAATTGC AGAATGGGGT GTGCTGTAAC CTGTGCCAGC
16101 ACCTCTGAG ATGCAATGTG CTTGTGAACG GTCTGGGATC TTGTTAAAT
16151 GCAGATTCTA ATGCAAGCAA TCTGAGGTGG GTCCCAAGAT TCTGAGCTCC
16201 AGGTGATGCT GATACTTCAG ATCCTGGGG ACACTGGGAA GAAAAGCCTT
16251 AGAGGAGCCC CCTGCCTCCT CCCATGCACA CACACAAGGA GAATCCCAGT
16301 TGGATTGACT CTGGCCTTT TTTAGTTCTT GCTGACATGA TGCTGACTGC
16351 AGTCAGGGAA AGGAGAGAAA TGGGCAGGCT GCAGTCATGC TGAAAATAG
16401 CTTGATGAGA CTAGCTTAGT GGGCAGGTAG GTGATGGGAA AGATGAACCTT
16451 AAACAACCTT GGTTCTAGGG TCATTTGCAC CTGTTTCAA GCAGCTGGAC
16501 AGGTAACCTC CACTCTTGGA ACCCGTGGCT CCTCCCTGGC TTGTCTGTAG
16551 GTGGTTTAA ATTCTGAAAG AGGTGATTTT AAATGCTGAG GCTTAGCCCA
16601 CACCCCTGC TCCAAGGACC AACAGGCAC TCACCTCTTG CTTACCACCG
16651 TGGCTCCCCT TCTGGTGTCC TATCCCATCT CTGCCCCTAG GCCCAGCCAG
16701 CCTGTTTGG GGATGAGCAT TGCTGCATTG GTGAGCTGTT TTGGAGTCTT
16751 GTTTTCTCT TTATCCTTGA ACAGGGAAAG TCACGTCTT TGTTCTTGT
16801 GTCCTCTCCA CTGCTCCCAG CCAGCCCTTC CACACTGTAC CAGTTAGTGC
16851 ACTGTGTGCC TCTTTGGTAT TTTGAGATCA TAGTTGACAA TTTTAATTGG
16901 CCCTGAAAAG TTCTGTGACC CAGGAAATAG AGCATTATG AGTTCACAGA
16951 AACCCATTAT TTTCTCCTCT CTTAATTAG CATTACTTG TCTAACTACT
17001 TTATTATTTC CTCGTGTCG AAATTATCTA TACTCCTGTA GGAAACTTCC
17051 CACCCCTGTA ATGAAGACAT CAGGCTGTGC ATTGTAATG GGGCTCCAAT
17101 TTCTATTTTT CGGGGAGTTG GCAGCACAGA TCTGCCAAGT CCCAATCATC
17151 TGCTTGATTT ATCCCTTACA CCCTGTGGGT TGTGCTTTT GCTTCCCTT
17201 TGGATGGAAG TAAATGTCGT CCTGTGTCA GGCAGGCTCT AACAGGGCCC
17251 AATGAGTGGG CTCTACTCTT CAGGCCCTGCC AAGCCAGAGC CATTGTCTT
17301 CTGCCTCCAT GGCTGTGGT TCTGCCACTG GCTCCTGGGC TTGTCTTGT
17351 CACCAGCCAC CTGGGAGGTG GAGCATACTG GAACTAGACA TGGAGGATGT
17401 GGGAGGATAT GGCCCCAGTG CTCTGAGCAG GCGCACCCGA GAACACTGTG
17451 GTGGGTGCTG GCACATTGGT GTTGGGGGA GGAAGTGTGG CCAGGTGGCT
17501 GAGAACCCAT CTGTCCACCA GCCTCGCCTC TCTCTGATG GGTAGCCATC
17551 CTTTGGGGCA TCCCCTTCAG TCAGGAAGGT CTGAAACAAG AGAAACCCAA
17601 TGTCTTCCT CCTAATAAAA ATCAGCCTTG TTTTACTCCT GCCAGGAGTG
17651 TGTGCTCTTG GCAGAGGTGA AGAATGAGTG TGAGTGGCCT GCGGGGCTGA
17701 GGTCTCCCT CAATCACAGG GTGAGTTCA GTTTGATCTT GCACAGGGGT
17751 TGGGGTTGGG AGAGCTGGTG CTGGTGTGTT CTTTGGTTAG GAGACTCTGA
17801 GAGCATTGTC TCCCCTGGT CGGTGGGACC GGGCTAAGGT AGCCCTGTC
17851 TACCTGCTTG ATGTTGTGTC TAGACACTGA GCCCTGGCT TTTCTTCCTT
17901 TGTTCCAAGA GGGCCTGGGG TGCAAATCAA ACCCTCTG GAGGGCTTAG
17951 CTGGAGACGG AAGCTGCCAT TGTTGCTTT GTAAAATAC TTTGAAGGTT
18001 AAAGTTTTGT GTATTTGGG ATCTAGATTG AAAACTGTGT GTATTTTCT
18051 TTTTAAGAGT TGAGAATGGG AGTCATATTCT TATTCTTGCA AAAAGCCCTT
18101 TCCAGAGAAT CAGTGGAGACCC ACCAGTGAGT CTGTGATGCA GCTGACAGAA
18151 GCGCCTCCCC ACCCTGTGAGG GAGTTGGCCT AGCCTCAGAG GTGACAGACG
18201 CCTCCAGCAC AACCCACGCT TCAGCCCCAG CCAGGGGCCT GGGCCCTG
18251 AGCATGGCCT GCTTTTCAG AGGACGTCTC TTCCCTGCT CAGGCTGAAA
18301 GTCCTCAGTG CTCTGGTGG CCTGCTTGGC TGGTGGCAGG GCTAGCTGCT
18351 GGTATAGGCA GGCCTGATGTG CACGGCTCTC TAGGCTCCTG GGAGAAATGG
18401 CTGCTGCTCT CCTCCCCCAC CATAGAACCC TGTTAACTCT CACCTGTG
18451 GTTTCATGTT GCCACTTTCT CCTCCAGGAT GTTGTGTT TTAAAACCC
18501 ACAATTGGTT TTCTCTGTTG GGGCTAAATC ACTTTGCCTC TTGCCTGTG
18551 TGCCGCTTAA GGCATCCCCG GCCCTGCCT TGCTTCAAGT GCACCCCTCAA
18601 CTCAGAGGGC CCCGGAGGT AAAATGTTG TGTTCCCTAG CCAGCTTGG
18651 AGCTAAGGGA ATGCCCTCT CCAGCCTTA GGTTGCCAC GAGTGAATA
18701 CAGGCAATAT AACAAATACCA TTTTCAGGGT TGTGATGAGC ACTAAGATGG
18751 TACATGAGGT GCCCAGCACA GATTGCCCTC ACAGAACACA ACAGACAGAG
18801 CTGTGGTTT GTGTTGTCATC TCCCAGAACCC TCAGTCAGTGC GCTGTCAAGA
18851 AGACTGTGCG CCCTTCCCTGA GCCACAGTCT GATGTGTCATC CTTCAGCTGC

18901 TGCAGTTCTT GTCACTGCTG GCCATGGCCA CATATCACGT AGCAAGGCAG
18951 CCCTCAGAGT GGGAGGGTCC TCTTTCCAGT GGAGTGGTAA ATATCTTGGG
19001 ACTGGGCCCC ATATCCTCAG TGTCCAGAAA GCCTGGCACA CAGCAGGATG
19051 TTCAGATATT TGTTGAATAA GTGAACGAGT CAGCCATCTT TTACTATTCC
19101 TTTTGTCATC TATGGGGT TGGACAAAGGT GTCTTGAGTT TTGGGACTCC
19151 TTACATAAGA AATCCCAGGA GATAGTCACT GGACTCCCTT GGGCTTCAC
19201 ATCTGATAGA ATCCCATCAG TTTCAAATCT TCTTAACCTT CTTCTTGAAC
19251 CAGGAGAGGC TTCAGAGAAAT CGTATGGGAT GTGTGTAGGA ACAGGTGGGA
19301 CCCTGACTCA GTTGCCTAC CCTCCCTAGA ATGGCTTGA GGGCCTGCTT
19351 GGCTCTGACT GTTCCCTCG CAGAGGCCAG CATCACTGGC AGGCAGCCAG
19401 ACCCTTGCCA AAACCATGAA TCCAGAGAGT GAAATGTAAA GTCAAACAAA
19451 TGCAGGGATGC TTTGTTTGTG CTTAGAATT TCAGGGTCAG TAGAAATAGT
19501 CTGTTGGCTCC GGGGTAGGTG GTTGCCAGCC ATCCTCACAG AGGGCAGAAA
19551 GGAGCAGAAC TACTCTTTA AAATGTCATT AAGTAGGTAT AAGACTCCTG
19601 ATGGCTTTC CTAATGCCAG TCTTAGGACA ATGAACTGA AAGCTTGTGTT
19651 GAGCTCTGCT ATCATTAAA GCTTGCTCTC TAAGTAAAGA GAACAGAACT
19701 CTTTTCCAT TTATTTCTCT TTCTGGCCTT GCATTTAAC GTCCTTGAAA
19751 ACTTTGGTCT CTATAGAAAA GATGTCAAAT TTCTGTTGGT TCTGCTGATG
19801 CCACATTTG AATGTCCATT CCAGGTAAGT AGGCTTCAT GTGGGGATGC
19851 TGGGAGGTGT CAAACGGGAG AGGCCTGCCA GGCAGATACT CTAATTAGAG
19901 TGGCTCTAAA ATATGCCCA TGGTGCCTCC TCTCTTCCT CTGCTATTTT
19951 CTGTTGGTT GTTACTGCTG TTCTCATATT AGCATTGAA GAGTGAAGAG
20001 CAGGCTTCTG GCCGGGTGCA GTAGCTCATG CCTGTAATCC CAACACTTTG
20051 GGAGGCCAAG GCGGTCAAGT CACCTGAGGT CAGGAGTCAG AGACCAGCCT
20101 GGCCAACATG GCGAAACCCA GTCTCTACCA AAAATACAAA AATATTAGCT
20151 GGGCATGGTG GCACACACCT GTAATCCCAG CTACTGGGA GGCTGAGGCA
20201 GGAGAATCGC TAAACCCAG GAGGCAGGAGG TTGCACTGAG CCAAGATCAT
20251 ACCACTGCAC TCCAGCCTGG GCAACAGAGT GAGACTGTCT CAATAAAAC
20301 AAAGTAGGCT TCTCTGCTTC ATGCTTGAGT GTTCATGCC GGCAGTATGG
20351 CTTAGGATCA TATCTTGTG TCCTGAAGCA GAAATTCCCA TTTGACTTTC
20401 TCTTATCCCT ACCTAGAGGG TCTCTGAGCC CTGGGCTGGC TTGGCCAATC
20451 GGGACATCTG GTGACTTAA ATCTTAGTAA TCAACAGACA CCCACTGAGC
20501 ACCTAGCTGT GTGCCCTGGC CTGTAACAG GCTGGCTAAAG TGGTTGAAGA
20551 GAAATGGGAT TTGTGATTCT ATCCTTGAGG CTTGAGGGCC ATTGGGGTGG
20601 GGGTGGGAGG TAGGAGCAAT CAGCTGCTTC AGAATGGATT CCAAGTTAGC
20651 AGAAGGAATC ACCTACATAA GTTAATGATC TTTTCTAGT CTGTATATAA
20701 TGTCGAAATT AAGATCTAA CTTAGCCTA AAGAAAAGTG GGCAATTAA
20751 TTAAGTAAATA AAGAAGGAAG TACATCTTA TTAGAAAAGAA GTACATCTA
20801 ATAAAGAAAG AAGTCCATCT GCCTCCCGA TTCCCCACGC CTGGTCCCAG
20851 GACACTTGTG CTCATAGTCC AGACATTCCC TGTCAGGTG CATGTGGCTG
20901 ATAGCAGATC TGGTATCACA GGTTGTCCT GGCCCCTGGC TCAGCTGTC
20951 TAAAGTCCTT AAGAGTGCAGG GTTGGGGCT GGAGGAAGCC GGAAGTCTCT
21001 AGGTGTCACC TGCACTAGGAT GGACATAGTG CTGAATGCAG CAGCCCTCTG
21051 GTGTCCAGAA CCTCCACCAG CCCCCCTCCTT TACCGTCTT CAACACTCCC
21101 TCCCCAAACT TATCCACCAG AGCCTGTACT GCTCTGGAC CTCTCCCCCTG
21151 AAGTGGTTC ACCTGATATG GCTGTGTTCT TGTGGCTCA GTGACACCTA
21201 AGCTCTCCTC AGAGGACTTG GGCTGGCAGT GTAGAGGATG TGGGTGCTCA
21251 TTATTAGTGG TGGACAAGTT TCAGGGCCAG GGGTGGTGT GAAAGAGGGT
21301 GAAGAAAGGG GCTGTTGAGG TTCTGGACAC CCACAGGGCA GCCACATTCA
21351 GCACTGTGTC TATCCTATGT GGGTGACACT TAGAGACTCC CAGCTTCTC
21401 TGTCGCTCTT CATCTGCTT AGGGTAATGAGCAGTGAC ACTACCACCC
21451 CGGTGCCAA AACTGTCTA TTGGAGGTCT TATTCCTTGC TGTAGAGTTG
21501 CACCTTGGTC CAGGTATCCT TCCCTGGCCA ATTGATTGTG GCCAATTGTC
21551 TTAGCCCATT TAGTGTGCT ATAAAGGAAT AGCTGAGTCT GGTAATTAT
21601 AAAGAAAGTA AGTTTATTTG ACTCATGGCT CTGCAAGGCTG TACAAGAAC
21651 ATGGCCCCAG AATCTGCTTC TGGTGAGACC TCAGGAAGCT TCCACTCCTG
21701 GTAGAAGGTG AAAGGGAATG GGTGTGTTA GAGATCACAC GGTAACAGAG
21751 CAAGCAAGGT GAGAGTGAGA GTTCCAGGC TCTATTTAAA AGCCAGCTCT
21801 CTTGGGAACG AGTAGGGTAG GACTCACTCA TTGCTGCAAG GATGGCACCA
21851 AGCCACTCCT AAGGGATCCA ACTCCATGAC TCAGACACCT CCATTAGGCC
21901 TCACCCCCAA CACTGAGGGT CAAATTTGG CATTAGGTTT GGCGGGGGAC
21951 AAACATCCAA ACCATAGCAC CAGTTGCTCA GTAATTCTTA GGAACAGAAA
22001 CACTTTATG ACCATGCTGA CTAGAACAAA ATTATCTGTG ATTCGTTATC

22051 CATTCCAGAT GAGAATGGTA TATATAAATT AAATCTGAAT TTATTCAAA
22101 TGACTGTTCT TGTGTTACAA GTAAAGATGA TCATGAAC TG CACTGTACAA
22151 GAAATTCTTA TCTGATATCT CACCGTGGGA TTATGAGAAA GAAGAAAGAA
22201 TCATCACAAA CAGCTTAAAG AATGTGGTGA GCACAATGGT GAGCGGCAAA
22251 TGCAGCACAA ACCATATTAA GTTAGCAGCA CAGGCCAAC CGTGGGTGAC
22301 GTGAGAATTG AGCACAGAAA TGCCTGGGT GGAAGGTGGG ATTGGGAAGG
22351 ACCTCTTGGA GGCAGAGGTA CTTGGAGGG AAGACCAGGA TCTGGGTGGG
22401 CAGAGTATTA GAGTATTTAA GGAGGAGTAA CCCTCAGAGT CTAGGTGTAG
22451 GGTGGAATAG GCCCATATCT GTCAGGAGGG GAAAACGGAA CAGATTGGTT
22501 AAGGTGGGTA TCTGGGTCTG TGAGCCAGGG GATTCATCAG GGACGCTTTG
22551 GTGGCCAGGA GCAGAATCGC CTGCTAACAT GCTCATGTAC AAAGAAGGGT
22601 TGTCATGAGG CCCCAGACCT TCTCCCAAAG CCAATGGCAG GATGCCTTCA
22651 TGGGCTCAGG CTTAGAGGCA TTGGAAAGTCT GTCTCCCAAC TCCCTCTGA
22701 GCCACACTGT CTCCCTTCTC CATTCTCCC TCCTCTGCTT GTTCTCTCCA
22751 GAGACTGGTC TTTCCAGAGA GCTCTGAGTG TAGCCCTTGC TGCAGCTTG
22801 GGCCCCAGAC TGTCTCATT GAGTTCTGTC TGTATCCTCA GGTTCTCAAG
22851 GGGCAGAGCC TTATTGGCTC AGCTGGGGA AATATCTTCC CAGATCCATT
22901 TGCCTGTGGC CAGGAGGCAG GTCCCAGTGG GTGAGGGGCC CTCCAGGGC
22951 TCTGAGGGGA GGATGTGGGT GCAGCGCTGG GTGGCTCTTG TGAAGGAGTG
23001 GCAGGAGGTT ATTGTGGGTG GAGGACAGTT GGTGAGGCTG CAGAGCCAGC
23051 CTCAAACCTC TCAGCAAGCA CACAGAGAAA CGTGAGCCAA GTTTGTATAA
23101 ACATGGGCA TTTTATGGAG TTGCATTTT GGATCTTCAG AGCAGGGTT
23151 GGCCCTGGCA GTAAGGCCTG CCTTGTGCTG TAAATCTTT GCTCCCCCTGC
23201 TTTGTTGCC TGCTTCTCTC TCCCTGTCTT GTCAGCACCC TCGCCATACC
23251 CTACCTCACC AACCCGGCCT GTCTGTGGCT GGGCAGCTCA GAAGCCCAAC
23301 TTATCCATT CTAGGATGTC CCTGCAGACA GGCTGTAAAA CAGGCTTGGC
23351 CTCCACAGGC CGACTTGCAT TTTGCCAGTC ACTACCCCTGG TCCTCCCCCTC
23401 CATCCTGGTG CCAGTGCCTT TGGCTCTGG GGTACTATGG TTGAATGTG
23451 TTCCCCAAA ACCATGTGTT GGAAACTTAA TCCCAGTGC CACAAGTTGG
23501 GTGATGGTGC CTAATGGGG TGTTAGGTA ACGAAGGCTC CATGCTCCAT
23551 CCTCAGGAAT GCGGATTACA GAAGGGCTTG AGACTGGAA TTGGATCTCT
23601 TGCTCTCTGT CTTGACCTT TCACCATGGG AGTATGCAGC AAGGAGGCCT
23651 TTGCAAATG CCAGCCCCCTC AATCTGGAC TTCCCAGACT CCAGAACTGT
23701 GAGCCAATAC ATTCTGTTC ATTATAAAGT ACCAGTCTC AGGTATTCTG
23751 TTATAGCAGC AGAAAATGGA CTAAGGCAGC CTGTGTCCCC GCCTGACCC
23801 TCAAACTCAC TAAGGGGGAG CAGGCTTGG TGCTCAGTTG TGGCCCTGTG
23851 ACTCCAGAGA TACATATCTC GTGGCTGTAG GGAGCTCCTT AGTGCAGCTG
23901 CTTTGAGGTT TAGCTGGAT CATTCTGGT AAGAAAGAGG GTTACATGG
23951 GAGGGAGTC ATGGCTTGAC CAGATGCCCT TTCTAGAAG GTCCACCA
24001 CTGCCAAATC CAGCAAGCA AATAGTTGAG CTGCTGTGGG ATAATTGGC
24051 CTGTCATCAT GGAAGACAAG ATGAGATAGA TGCACTCCCC ACCTCCCCAG
24101 TTCTGAATCT CAGCTTGCT CCCAGCTAGA TACAAAGTCT TATTGATTA
24151 AAAATTGTT TTTGTTGTG ATATCTCTT CTGCTGTAGCC AAGAGTTAGA
24201 GAGGGCTAGG GAACCAGGGGA CATCTCTAGG GTGAGGATGA AAGGGGGCAG
24251 TGTCTCTGG AGCTCTGGC TGGAAAGTCTG AATGGCTCCT CTTATCCTC
24301 TCTTATAAGA ATAAAGAGGA AGATCATGCC ACTGCACTCT AGCCTGGTGA
24351 CAGAGCGACA GAGCAAGACT GTGCTCTAAA TNNNNNNNNN NNNNNNNNNN
24401 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24451 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24501 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24551 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24601 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24651 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24701 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24751 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24801 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24851 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24901 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
24951 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
25001 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
25051 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
25101 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN
25151 NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNNNN NNNNNNNNN

25201 NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNNN NNNNNNNNN
25251 NNNNNNNNNN NNNNNNNNNN NNNNNNNNN CTTAAGGAGG AGGTAAGATT
25301 TCCCAGCATT GGCAGCCAAG TTGGTTACTG TGATACCAAC TGTGGTTACT
25351 GTGAAGGGCT TTTGGAGGGT CAGGAACCC AGTGGGAATG TGCTGGTGT
25401 TGCTGACTCT TCCACTGGCC GCTGGAGACA GCAGCAGGGC TGCTGCTGAG
25451 ATGAGGCCAG AGGCAAGCTC ATGTACTTCT GCTGGAGGTG CTGCCATGGA
25501 GGGACAGCCT CCTCCTTAGA GGTGAAGTG TCAGGCACCC CCAGGCACAC
25551 TGAGTACTAA AGATTGGTT AGCTGTGGTG GCTCCTTCAG AGTATGCC
25601 TTTCATCTAG GTGGATGAGC ACCCCCTGCAG TATGGGATGG CCATGGCTAG
25651 TGAGTGGTCA GAGCTGCCA TGAGTGAGGA GAGGAGGGCA TCTCAAAGGG
25701 CAGGACAGGG ATAGCCCAGG GACATACAGG GCCCAGGACA GATGAGGTAT
25751 CTATACTGC AGAAGACCAA GTGGAAGGCA TCCCTGGCATT CAAGTGGT
25801 GGAACAAATG AGCCAATGGG CAGCCCCAAA GGCTGAGAGA AAGTCATGGG
25851 TAAGAGCCTA GCATGGAAGG AAGAACAGGT GTGAGGGAGC AGTGTGACA
25901 GGGGTTGGCC ATGGCCCAGT GGTTGACACT GTACCAAACAG ATGCCTTCC
25951 CCCAACCTGT GTCTCCCAGC TGTTGCCTAC TGACCACAGT AGAACTAGTG
26001 GACCCCTCCC CACTCCAGAG TCTCAGAAC AATGATGAGC ACTTCTTCA
26051 GGCTGGTGC TATGCTGATT GCTGGGGCA CAACCAGGAT GCTGTTGTG
26101 GGTGAAATT GGCAAGTGGG CAGCAGCTAC CAGATACTGA GTGCTTTG
26151 CCCTCCTCTC TCAGCTCTCA CTGCACTCTC ATAGACACTA CCCTACCTCA
26201 TTTTGCAAGAT GAGGAAACTG AAGCTCTGG AGGTTAATGC CATGTATATG
26251 GTGACCCAGT GCCGGGGTC TGGGGTGCAG GTGAGCCCC TTGTGTCTCG
26301 TGCACTGCAA GCCCAGTGGC CCCATTCTCC ATGTCACCGG GAGGCTTCTC
26351 AGTCTGGCT GCTTGAGCCT ACTCTTCCCA CCTGCATCCA GTGAGTTCTG
26401 GATACTGAGC TGGCATCGGT CCTCATGGAA GGCGAGTGTG GGCTGCCA
26451 AGCCATCCTC TGGCTCCACT GACTTGTGG GAAGAGAAC TGGCACCACT
26501 GTTTACATTA GTTTCTGTG CTGTGACACC CAGCTGATAC CCTCTGTTAC
26551 GAAGGGACAC CCTTCCCCAT ATGTGGGAGT AACAGGGCAC CCTCATTGGA
26601 GAACCTGCC AGCCCCTGC CACCTGCAGA GGTTGTCTG AGGCAGCTGG
26651 GCACCATGGT GCAGAGCACT GGCCAGGCC ACTGGGGCAA GAGTTGTAA
26701 GGTGTTAAGA TGCATGATTA ACCCAGTGGT TCCCAAACCT GTCCATACAT
26751 TAGAACCTT GGGGTGGCTT CAAAAAAATGC TGATGCCTGT GTCCCACCCC
26801 CAGAGATTGT GATTTAATTG GTTTAGGGTA TGGCCTATAC TCTGGATTAT
26851 TTAAATGTCC CCATTGAGA ACTGCTGGGT TACCTATGA GAGAAGTGTG
26901 GGCAAAATGC CACTTCTGT CCTCATTGTC TTTCTCAGCA CCTACTCCTC
26951 AAGGAAATA ACTGATTCAG GCTGCAGGGG ACAAAAGCTTC CCTGTCCTT
27001 TGCCCAGGCA CAAGGCCCCT CCTGGGAGGT GTGGGTGGCT AAGGCTGGCG
27051 TGATTCCTGA TGTTGCACGT GTGGGCAGG TATTCTCTA CTTGAGGAGT
27101 GACATTGCA GCCGTCTGCA TGCTCCCTCA TTCTTTCTC ACGACAATCT
27151 TATAGGTAGC ACCTTTCAAT CTCCTCTCA GACGAGGAAA CTGAAGTTCA
27201 TGGTGCACTCC TACGTGAGGA ACAGAAAGAG GACAGGGAAT AAAACTGGAT
27251 TTCCCTGGG ATTCTCAGAT GGGCCAGGTC CTAAGTAAAC ACCAATCTAG
27301 CTCTGCTGAC CACTGGGGC CTTCTTCCT TTGACTCTG TTGTAAAAGA
27351 AAATTGAAAA ACGGTCTTAT TGTGCCTTAA AGCCTTTTA ATTAAATATA
27401 ACTCATTTAA TTAAACTAC TTAAAGTCC ATTCTTAATA TAAGTGTAT
27451 AGTGGTACAA TGAAAGTGC TTCTAATCAA AGTGTGTATG GGGATTTACC
27501 TCCCTGTACA AAAAGCCTGT GGGAGCCAA ACCAATGATT TATTCAAGACA
27551 GCAATCCAAA ATCACCAGAC CCTGAGTGAG GCACACATGG TGGAGGTTCA
27601 TGAGTGTGGG TAGGAGTCGG AAGTCCCTCT GGGGGCTGT CAGATTGAAG
27651 GAGGCGGGTG TGGAGAGGGC TTAGCATGGA GCCTGGCGTG GGTAAATTGCT
27701 TAGTAAATGG AAGCTGCTAC TGGGATGCTA CTGCCATCCC TAGGACCTCC
27751 GCTGCTTCCC CTGCTAGTTC TTACTGCTGG TGCCACAGCT ACAAAAGTAGG
27801 GAGATGACAG TGAAGAGAGA GGCTCCCCG GTGGGCAGGA GGGATTGAAC
27851 AGTCCGTAGC AGACAAATGT GCTCAGATTG GGTATTGAAG TAGAGACCTA
27901 CTCCAGTACCC AGCCCCCAGG AGGGGCACGG CCTGACGCC TGATGTCACA
27951 CAGCAAATCC TTTCCTCTGT GGCAGTCTAT CCCCTTCCT TGTTTCATT
28001 TGCACCGTGG CACTCTTAG CATGAGGTAT TCTCTACATT TCCTTTGTT
28051 GTGTGTTGTG TTGTTGCCG TTCTTCCAG TGAGATCCTA AGCTTCATAA
28101 GGACTGGGGC TGGGGCTGCC TTGGCACTGC TACATCTCCA GGACAATAAA
28151 TATCTACTGA ATGAGTGAAC ACATGAACAA ACAGAAGGGAT GATGAAATGA
28201 ATTGCTCAGG AGGCCCCGTCA AGAGCTCTGC TGAGAGACCT GGGTGATGGG
28251 GCTGAGGGTC TTGGGGAGGG TCAAGGAGGT GGGAAATTGCA AGCTAGGAC
28301 TGATGGGAAG GCATCCACAA AGCTGACCCA CAGAGGCTGT GAGGGATGGG

28351 AGTGGAACTG AAGAGGGGCC AGAGGAGATG CTCAGGAGGA CAGAGGGAAC
28401 ACTAGCTAGC AGGAAGATCC AAGGGGAGGG GACCTATTGC TGTGTCAGAT
28451 GACAGTTCT GGTTGGAAGT CTTGGATTAA GGGATCTTCA AGTGTCCCTT
28501 TGGAGAAGAG GGTGTGCGCT ACCTTAAGCA CTGGCCACTT TGGGTGTTTT
28551 CAGCTTATCC CAATCAGACG CCACCTGCAC CCAGTCCTGC CCCCAGCCGG
28601 CCCTTCCCCA GCTTGCTCAC CTTCTCAGAG GCTCCAGCCT GATCAATCAC
28651 CGCTGGCCCC ACCATGACTC TGGCACATT TGATCTTITA TGTCAAGACCG
28701 TCTGTATCTG TGACTCCTA ATTCTGTGCA AAACAAAGAA TGAAAAATAG
28751 ACTCAGACAT GAGGACTGTA CTGGAGGGCA CACTTCTTC CTTTTTGTG
28801 TTTTAATTTT CTAGGCACAG GTTATTCTAA ACCTCATCTT GGGCTTGCAG
28851 TTGGCAGAAA GAAAAGTAGC AGATTGGAAT ATCATGTTAA ACAGGTGGAT
28901 GTTAAGTTGT ATCATTATT GGATGGTCC TGGAGGGTGT AATAAATAAT
28951 TAAACATGA ACTCCTTCCC CCTTCCCTCT CAAGAGCCAC TTGTCCTTGC
29001 TGTCCCTCTC CCTCCCCAG ACACCTACAA GACTGTCATG ATTTTCTTAT
29051 GGATCATGGA CTGCTGGAAT GAAGTCAGTG CAGGAAAGAA GCTTGTTCGA
29101 TCGACAGCTG GTAGACATGA AGCGTCTCAG AATGAGGAAC GCATCACAGG
29151 CTGTCCTGTG TTTCTGTAG AAACTTTACCA TACAAAAGGA AAAATAGAGC
29201 ACGTCAGGCT TCAGTGACAG TCAGTATGTT CCGTGAGCCA GCTGGGAAAC
29251 TGCACTCACC TCCATATTCT TACCAGGAGA TCTTGGGATA ATCTGATTT
29301 ATTCTAGCAA TAGAATGTGT TTAGGGCTA CGCTACGCCA GGCGCTGTGC
29351 TGCAGTAAGA CATGAAGGAG ACGTGGACCC TGGGGGAGAT GGACACCCCT
29401 CTTGTAGTTA AAGTCCAGTA TGACCATTGC TTTGGGGTT AAGCAGCTCT
29451 GCAGATAATG CCTGTGTTAG GCTGAGCCCT GCTAGTGTCA GTGGAAATAG
29501 CAATGACATG TTAATGAGGT TGTTCCTCAG GGTGCTGAGT TAGAGCCCCA
29551 TGCTGCTAAC TGTTGTGATG GTCTGGACG TGGTGATTGC TCATTCTGAG
29601 AGATGTGGAT TACTTTCCAA ATCAAAAGT TAATTAGTT TTAATTGTT
29651 GGGTTGCTG AGAGATAACAA CTGGAAAATT CCCCTCTTGC CTTCTGGTC
29701 CCTTAATCTG GCTGTGTCGA GGCAGATTATG TTTAACAAAGG AGCAGTGATC
29751 AATCAGTTAT TGACATTAT TTCATCAAAT GTAAGTGAAT GTTTACTCAT
29801 ATTGGTGGAT TTGCTACCAA AGACTGTCTT AAATTCAAGG CTAACCTTTC
29851 TTTAAATT GTAAATGAAT AACCTTATGC ATAAGCTTT AAATGATATC
29901 TAGAATTAA AATCACTAA CCCTCATATA ATATTTCCAA ATCATCTTAA
29951 TTTCTGAAGA TGGGCACCTA CCCTTTGCT TTCTTTCTG TCTAGTGTCT
30001 GGTAATCACC ATTAATTCCA TTTCTTTTA GAGTACACA GCTTTCTCT
30051 TCACTGACCA CCCTTGCTT CCTGTCAAGAA AGCCCTGGAC AGAACTCTCT
30101 GTGGGACTCT GCCCATGTTT CTGAGATATC GCCTCAATTG TCCTGGCTGG
30151 GCTGTCGGGT CTGCCCCGTT TACAGATGGG CAAACTGGAG TGGGAAGTAT
30201 CCGGGTGGCT TCTCAGGCC TGAGCTGGT GGAGCAGCTA CTGAAACAT
30251 CAGGTGATTC AGATCTACTG GAGGCTTGC CCTCATGGGC ATAATAAAAGT
30301 TGGTATTCCC AGGTCTGCC ACAAGAAGCT ATTGATGGGT TTATCATGTT
30351 GATTCTTTT TAAATTAGTA AAGTAAAAGA GTACCTTAAT AGTAAAGACA
30401 TTCCCTTGGT ATTTTAAAAA AGTCATGTGA CATGATCTCT TCCTTTGTC
30451 TTGATAAAACC TCCCTTTAAA CTCTCTGGCT TAGTTATTT AGACTTCCA
30501 GCCTCATGTA ATACTGGTTT CCTTACATTG ATCCATTAT TGTCATTAT
30551 TGTAAGATAG GCAATAGAGG GGACATCGAG CTTGCTTGCT GTGCTATCTC
30601 TGTTTCAGCC CCAAAGTGCT GGAGACTTGC ACTGTTTGT TTGTTTGT
30651 GTTTGTTTG AGACAGAGTC TTACGCTATC ACCCAGGTTG GAGTGCAGTG
30701 GCGCTCCATT GCAGCCTCTA CCTCCCTGGG CTCAGGTGAT CCTCCCACCT
30751 CAGCCTCACA AGTATCTGGG ACTACAGGTA GGCAACACCA TGCCCAGCTA
30801 ATTTTCATAT TTTTTGTAG AGAGGGGGT TTCACTATGT TGCCCAGGCT
30851 GGTCTGAAC TCGTGGGCTC AAAGGAGACT TGACACATTCT TTGCTATAT
30901 GGCCATGCC AGCCCTCTCC CCTTCACATC TGGTCTTCTG GGAAGATGAG
30951 AAAGGCAAGC TCAAGCCTCTG CTGATTGGGC AACTCCTAGG CAGGGCTGGC
31001 TGAAAGGTGC AGGGACCCCT GGCTTTATC AAACCTCCCTC AGCTATCTAA
31051 GCCCCTAAAG GTTGTAGTGTG GGCAGCTGTG CCTCCCCCAC CTTTGACTGT
31101 TCTTTAAGGC AGTAAGCCCA TCTACCAAGGG CTACACACAC CTCTCTCTAA
31151 CCCCAGAGCC ATCTGACACT GTTCTCTGTG GTGAGGGAGG GGAACACTGA
31201 CCCCTCGATT AAGTGGCATT TCTCAAGAGC CAGCACCCCT TCGGTGTTT
31251 TCATGAGCAC TTGAGCAGCAAG CTCTGCAATA CTGGAGGAAG CAGGGGGTGT
31301 TTAGACCCCTC CCCCCAGAATA CCTGTGTTCT TGCTGGATTA TTCACTTGG
31351 CTTCAAAACT AGCCCCGGGT TTAGGGTTAA TTCTCTCACC TTCTCTGGCT
31401 TTGAAGACCC AGACATGGTG TGCTGAGAAA TCCAAACAAT CAATAGTTT
31451 CCTCTGCTTCAACTCAGC CATATAAAATG AGATAAAAGTG TGCAAAACTC

31501 TTACTGTGTG CACAGTAAGT GGGAGCCAGC AGTGGAAATAC ATGCTACATA
31551 AGGCGCCACT TTATTTAGCT GTATTTGTC AGTCCAAGTG AAGATTTAA
31601 TTGCAGAATA GTGTCCTGCT AGCAAAAATG AACCTGCTTA GAGTCAAGTT
31651 TTTAAAATTC AAGTGAATAA ATGAAAAATT GTAAGAAAAGA TTGTTAAAGA
31701 AGCATTCACTT TAAGAACAT CTCAGATATG AAAAACTTAG AACTTAGATG
31751 TCAGAATTTC AGTAGCGATG AATCCCCTGG CAAAGCTTCC ATCTCATCTG
31801 TACTAATTGG TTCATAAATT GGACACGTGG GCTTCCTTT GTGTGTCTTC
31851 AGGAAGTTGA GGCCTGAGGA ACTCTGAAGC CAGGAGCTTC CTCAGCCCC
31901 CTGCTGCTGG ATGGAGGTGC TGCCAGTCAG GGGCCCATCT TCAGGACACT
31951 GGCACAGGGGA CCTCCTCAGG CCGGGCCCCCT TGACAGCGG ACTCCTTCT
32001 GCTTGTCTA TGAAGATCTG GCCACGTTGA GCTCCACTCC ATTCTGCTTT
32051 GTCTACGAAG ATCTGGTCAC ATGGAGCTCC ACTCCATTAA CTTTTCGTT
32101 GCATTCTCTT CTCAGTGTGG TTGCTTTGA TCCCCCACTT TCGTAACCCA
32151 CATAGCCAAT ATTTTCCAG TGAATCCCAT AATATTCTGG GTGACAGACT
32201 GAGGCTTAATC CCCTAACCAA AGACCTCTGA GAGCACAGAT GGAGAGGCGT
32251 GACTATGATC TGGGGCAGGG CCTCACCATC CTTTCCAGA GCCTCACCCC
32301 CTGTGCCAA GATGGACATG GGATGGACCT AGGGGTAGAA TTTGAGAGTG
32351 CTCATTTATA CTCTTCAGC AGCCTTCAAA CTGTTTTTG GTAGCTGAGA
32401 ATCTGTAATC GGCTTTTGA TTATGAAAAA TATTGCTCAG CACTCATATT
32451 ATATTGATTC AAAAATAAGG ATTGTGTAGT TTAACTGCAT AGTAAAATAC
32501 AGCTTTATAG AATGGTAATT TTTTATTAA GTTCTTCTAC ATTATAGTGA
32551 GAGATAACGG ATTCAAGGAAG GGCACAATGA GGAATAAAGC TGTTGTATTG
32601 TATTGGTTAA ATGACATTT AAATGATTG GCTGTCAAAC TCGTAGAAAG
32651 GTTATGAGCA GTGAATGAAA AATCTAAAAT TAATTCCCTG CTTCAAGAAA
32701 GTGTGATTTA TACTATAATA AAATTAGATT TTTAGTTAA GAAATTAGT
32751 CATTAAAGTAA TGCCCATGCA CTAAGTCTCA TTTATAACCA TCTGGTTGA
32801 AGCTTCTGCA GAAAATAATT TCTTCCTTAG ACAATGCATC CAGGGCCTTG
32851 GTGTCAATT GTCAATGAAT TTCACTCCTT ACATTTCTGC TACAGCTTT
32901 GAGGGGTTGC TTTTTAAGC ACTGGAAAGA TGGATTCTTA TTTAGCCTCA
32951 ATAATGAGG AAGCCGTTGA ACTCATTTAC CTCCAAAAA TAATCTGATC
33001 GTCTCCCTCT CTTAGCTCTT TTCAATGAATG GTATGTTGT TGATGATGGT
33051 GGCACATGTT GGAGGACTGC CTGTGTGCTG GACACCATGC TAAGCATGGG
33101 ACAAGCTTAT TATTATTC TTTGATCATC ACAACTACTC TATGTGGAAT
33151 GTGCTATTTC TGCCCTTACA GATCAACAAA CAGAGACTAA GGAAATGTTA
33201 AATAATTCAA CAAAGGTGAC AGAGGCACAG CTGGCCCCCA CTCTTAATCC
33251 CTGTCAATT TTTCACGAAT GTGTGTTGAG CATTTCCTG GAGGAAGTAG
33301 AGTATAGTGG TAGGACCTCA GAGGTTGAG TCTAGCCTG ATGTGCCAC
33351 TTCTCATGTG AAATTCAAGCA AGTTGCAAGTC TTTCCCTCAG TACATCTTC
33401 TTCATCTGTA AATTAAAAGT GGGGTTGTT CCCTCTATT AACAAACTTC
33451 TGATTACTCC TGGGTAATT GTCTTATTAA AAAAATTAA ACTGGAGCAT
33501 ATCAAATATA TAGTAAAGAC ACATATTCTG AGTGTAGCAC TTGGTTAATA
33551 TTTGTAAGT GAACATATCT ATGTGACCCAC CACCAAGATG ATAATATAGA
33601 ACATTCCAG CATCCCACAA ACCATTCTGT GTCCCCCGGT CATTATCCTC
33651 GCAAAGGTTA CTACTCATCT GTCATCAGAG ATTGGTTTG CTTGTTCTG
33701 AGATTATAA AAATAAAATC TTATAAACTG TACTATTGT TTCTGCTTTC
33751 TTCCCTCAG CGCTATGACA ATGAGATTCA GCTACATTAT CACATGTTGC
33801 AGAGTTTTT CTTTGCACT GCAGTGAAGT TTCCATTGT ATGGATATGC
33851 CACAGTTAT CTGTTCCACC ATTGGTGGAC ATTTGCATTA CATATCATGC
33901 TGCATTCACTC TTCTTATAC ATGCATTTC GTGCTCACAT GAATGTACTT
33951 CTGTTGGACA TTTACTTCTAG AGTTAAATTG TTGGGTCAAG AACATAGATG
34001 TCACAATAGT TATTTAACAA TAATTTAATT ACAGGAAATT GGTTAAACAG
34051 ATATTAAGG ATTAAGAAGG TGGAAAAGGA AACACTGCAA TAGTTAAGAG
34101 CAGTACCTGC AGGAAGGAAT ACCTTTATCA CTACTGTCTC CAGGGGAGGA
34151 GCCTCTCCAT ACTGGGACTC AGACCAATGA GGAAAGTTT GCTGGTGTG
34201 GTTCCCTGTA GGGTATAAAA ATTATAGTTC CTTCATATCC TTGTAACAT
34251 TTACTATTAA CAGTTTTTA ATGTCATCTA TTATATGTGG TTTATAGCAG
34301 TATCCCACTG TGTTTCAAC TTGTGAAGTG CCTATTCAA TGTTTACTC
34351 ATTCTCAAT TAGGTTATT GTATTTCT TATTGATTG CAAAAGTATT
34401 TTATATATTCA TCAATAAGTC ATTCTGAAGA TATATGGATT GCAAATATAT
34451 TTCCCTTAATG GCTTCCCTT TCATTGCTCT GATCTCATCT TTTAATAAAC
34501 AGAAGTCTA ATTAAATAA AGTCTGAGAT ATTCTTTGG TTTGCTTTC
34551 ACATCCTT TAAGAAATT TCACCTATGT ATTAAAGTC ATGAAGATAC
34601 TCTTGATATC TTATAGAGAC TTAGTTGCAT TACTTTCACT ATGTAGTTCT

34651 ACAATCCATC AGGAAATGAT TTTTATGTAT GTTCTAAGAT ACGTCCAACA
34701 TTTTTCCAT GAGGTTGCCA TGATGTGTTT AAACCTGCTT ATGGCTCAGC
34751 ATACGGCCAA TTTTTATAAA TCTCGAATGG, ACACCTGAAA TGAAGTGCTA
34801 TTTGGTACAG TGTTTGATGT CTGTCAATT A GGTCAAGTTT TAAAATTATA
34851 GTGTTCAACT CTTCTATATC CTTACTGATG CTTTTTTCT CTACTTGTC
34901 TATCAGTTAA AGACAGAGAT TTTTTAAATT TTCCAACCAT TATTGTGGGT
34951 TAAAAAAATT CTCCTCTTAG TTCTTGAGT TCTGGCTTG CATATATTAA
35001 GACTATGCTA CTAGGTATGT ACAAGTTAG AATTGCTATA TATTCTGTT
35051 AAGTGTTC TTTCTAAATT ATGAACCATC CCTTTTTATC ACTGATAATA
35101 ATTCTGCCT ACTTTATCTA TAGCCATGTT TTCTGGTTG AAGTTAATAT
35151 GGTTTATCAT TTAAATTCTT TACATTCAAGC CTTTTGTAA ACATATATT
35201 ATGATATGTC TCTTGTAGGC AGCATATAGT TGGAATTGTT TTTCTCTATT
35251 ATGCCAATCC TTGTGTGTTT TATTTTTAT TTATTTTTT TGTTTTGTT
35301 TGTTTTGTT TTTTTGAGA CAGAGCCTTA CTCTGTCTCC CAGGCTGGAG
35351 TGCAGTGGCG CAATCTGGGC TTACTACAAG CTCTGCCTCC CGGGTTCACG
35401 CCATTCTCT GCCTCAGCCT CCCAAGTAGC TAGGACTGCA GGTGCCACC
35451 ACCATGCCG TCTAATTTT TGTATTTTA GTAGAGATAG GGTTACACTG
35501 TGTTAGCCAG GATGGTCTCG ATCTCCTGAC CTCGTGATCC ACCTGCCTCA
35551 GCCTCCAAA GTGCTGGGG TTACATGCAT GAGTCACCTC GCCCAGCCCC
35601 ATCCTTGTGT TTTAATGGGA TTATTCAAGC AATTATAGT TAAATAGTT
35651 TAAATATAAA CCCATGTTT CTCTGTTCTA TATTCCCTTT CTCTTCTGCC
35701 TTTCATGTCT TCTTTGGAT GAGACAGTT TGTTACTTC ATTCCCTTGG
35751 TGTCACTAGCA CTAATTTGC CATTGGGGG ACAGTACTAG GACATTATAA
35801 CACTTAATC TCATTTGACC TCCTGATCTT TTTAAAAAA ATCATATTAC
35851 TATGATTTT AGTTCTACAA ATATTTTAT CTTACAGTGC ATTATTGTTG
35901 TGTTAAGTAG CCGAAATGTA TTTTTATGGT TTTTTAATG CTTTTTGGTG
35951 CTCATTATTT CTTCTTGAT AGCTATACAT TCATCTGAAT AATTTCTGC
36001 GTTTTGCTT TAAAAGTTG CTATAAAGTA TTGCTCTTAG TGTTAATTG
36051 TTGGCAATGT ATTCTCTCAAG GGTTTTTTG TCTAAATATC TGATTTTAC
36101 CTTCATTAT TTTACCTTAT GAATACCCAT ATTTCATTG GATTCTAATG
36151 TTTTTCAA ATTTAAAGA TGGTGGGTAC TATGCTTATT ACCTGGGTGA
36201 GCTTACACC AAATCCCCAA GACATGCAGT TTACCTGTAT AGCAAATGTG
36251 CACATATACC CCTGAACCTC AAATAAAAGT TAAAAAAATT AAAAACTAAA
36301 GATGGCATTC CATTGTCCTC TGTTCCATT ATTCTCTACT GAAAATCAG
36351 CTATCCCAC TACTGTTGCT CCCTTATAGG CAATGTTCTC CCCATCTCA
36401 CCACCCACCC TTGGCTGTT TTAAAGATT TCTATTGTC TTTGAATATT
36451 CAACTATTTT ACTGAGTACT TAGGTATGGT TGTGTTGTA TTTATCTGC
36501 TTGGGGCTTG TGGAGATTCC CAAATTCTG GCTGATGTC TTTCATTAGT
36551 TTTGGAAAAG TATCAACAAAG CGTCTCTTC AGTATTGATT CTGCCCCATT
36601 TCTCTGAATT TTCACTCTGA AAATTAAATT ACATGTTGT TAGAACTCTT
36651 CATGATGTTA CAGTGTCTCA TACTTTTCT GTATTTTCA TTCTTTATCT
36701 TTTTCCCTT CAGATCTTCT GTGTGGTAA TTTTACTGA TCTAGCTTCC
36751 ATCTTACTAT TCCTTCTTC AGTTGTGTTT AATCTGTTGT TAAATCCACC
36801 TATTGAATT TTCAGTTATT TCATTTCAAG TTATGAAATT TTTGTTGAT
36851 TATTTTTGT TTATTTTGT TTCAATAGGT TTTGGAGAA CAGGTGGTGT
36901 TTGGTTACAG GTTTTAGTG GTGATTCGG AGATTTGGT GCATCCATCA
36951 CCTGAGCATT TTACAGTGTAA CCCAATGTGT AGTCTTTAT TCGATTCTAG
37001 TTTTATAATG AAATTCAAGCA TCTTTCTCC TATTTCTTA AACATATTAG
37051 CCATAGTTAT TCTAAAGCTT GTGCCCTAAGA ATTCTAAGAT CTGGATAACA
37101 TGTGGCTCTG TTCTGTTGGT CTGTTTCTT GGATTTAGC CATTGATCC
37151 CATTTCATGC TATGCTGGT AATTTAGAC TGGATGCTGG AGATTATATA
37201 TGAAAAATTG TAAAGCCTGT GGATCACTTT ATAGATTTC ACAGAGGATT
37251 TATTTTCTT GTTAGACAG ATAGAGTCCT GGAATATCAT CTTTATCTAC
37301 TCAAGAACAG GAATAATTTG AGAATATATG GTCTTAGCAG TAAGTCTGCT
37351 GCATTGTC GGGCAGCTAT TTCTGGAAA GCCTAATT TGTCTCTTAA
37401 GTACCATGTA CTTCTAAAT CTATACTTAG ATTATTTATTAT TTGAGGCTT
37451 TTTTTCTT GTCAAGGCTT ACCTTTAAC TTGTTCTCA GCCTTTGCC
37501 CTTTATGTGT GTAGCTCAGG CATAATCATA TAACTCAAGG GGAAGCCGAA
37551 AATGTTGAGC TCACTTCTT CTGGTTTCTT TTTCCAGGGT TTCTGACCT
37601 CAATTCTGG CTTCTTGTT AGCCTTGAC TCTGATGTTT ATTCTCCATC
37651 TCAGAGAGAC TTCTCTAAAGT TCTAGAATAT TATATTCTGT TTGGCTCTA
37701 TGCAAAACAG CAAATGTCGC AAAGGGAAA TGTGGCAGTG AATATGGGGC
37751 TCATCTCAAT GGACTTTCT CTCATAACTT TCCTTAAAT TCTGGCTGCT

37801 TTTGTTGCTG TTGGATGCCT TCAAAAACCTT TTTTTTAATT CCACCTTTAT
37851 AATTGTTGAT AGCAGAAGGA TTAGTCTCAT ACAAGCTACT TTTTTATGGC
37901 ACAAAAGAAGA AGTTTATCTC ATAAAATTTT CACAATGTCC CTAGGAATTA
37951 ACTATCATGA CTATTTTAA AGTTGGAATG CTGTTGTGCAT AGGCATTGGA
38001 ATCAGACTTT GGGATTTAA TCTTAGCTGG CCACCGACCA AAATATGAGA
38051 CCTTGGACAA GTTTAACCTC TCCTCCCTT CAGTCAGTCT CTGAGAAATG
38101 AAGTGGAAAGA ACTGGGAGGC TAAGGCAGGA GAATCACTTG ACCTGGGAGG
38151 CAGAGGTTGC AGTGAGTCGA GATCGTGCCTA CTGCACTCCA GCCGGGGCCA
38201 CAGTGTGAGA CTCTGTCTCA AGAATAAAA ATTTTAAAAA TAAGATAATC
38251 CTATTTTAT TTAAATTATT TCAGAGTATA ATAAAAGGAA AACTTCCAAA
38301 TTCATTACAT AAAGTTGGTT TCATTTAAT TTCTTGTGTT TTGTTTTTT
38351 TTTGAGACGG AGTCTCGCTG TCTCCCAGGC TGGAGTGCAG TGGCGCGATC
38401 TCGGCTCACT GCAAGCTCCA CCTCCCCGGGT TCAGTCCATT CTCCAGCCTC
38451 AGACTCCCGA GTAGCTGGGA CTACAGGC GC CCACCACAC GCCCGGCTAA
38501 TTTTTGTAT TTTTAGTAGA GATGGGGTTT CACCGTGTGTA GCCAGGATGG
38551 TCTCAATCTC CTGACCTCAT GATCCGCCCG CCTCAGCCTC CCAAAGTGCT
38601 GGGATTACAG GTGAGAGCCA CCGCGCCCG GCAATTCTA AATCTGATAA
38651 GAAAAATATG AGATTGGTAG ACCAATCTCA TTTATGAATA TCAGTACAAA
38701 AAATTATAGA CCAATAAATG TAAAACATAT TTAAAATAAT AAACAGAATC
38751 CAGCAGCATA TTTTAAAAG TATATTATGA CTAAGAAAAG CTTGTTTTAG
38801 AAATACAGGG GTAGTGGAAAT ATTATGAGAT CTACTATGTA AGTCATCCTA
38851 TTAATAGAAC TAAGGAGAAA AATCATATGA TTATCTCCTT AAATGCCAGA
38901 GAAAAGTACT TGATAAAATC CAACACATT ATTATTTTTT ATTNTTTTATT
38951 CAACAAATAT GTATTGAGCA TCTGTTCTGC TACAGCACTG ATGATGCAAG
39001 AGTAAAAAAG ATACTGGCGC CATCCCAACC CACATTCCAC TAGAGGGAAA
39051 CAGTCATAAA ACAAAATGAGT AAAGGAACAA GCTGTTTTTC AACTAGCACA
39101 TACATTTATT TTAAAACCTC AGTAAAATGT ATATTGGTTT CATTAAATA
39151 ATAAACATAT CTCAGGCTAA AAGCCAGCCT GTCACTTAAT GGGGAAATGC
39201 TAAAGGTTT CTCTGAAAG CAAAAGCCAA GACAAGGGTG CCCAGTATGA
39251 ACACAAACGCC TAACATGGGT TGAGAATTGG TTAAAGCTCT AAGGCAAGAG
39301 AAAACACCTG GAAGTATAGG AATTGGAAAG AAGAGATAAG ATAATTGCTG
39351 TTTGCAAATT ACATAAAATAC TCAAATGGAA ACCCCAAAAG AATCAATGGA
39401 AACCTTATA CAAACAGTAA AATTAAACCA AGAAGCTGGT TATAAAATAA
39451 ATATAAAAAAA TATTTTTAAA TTGCCATCAA ATATACAAAC AAAAATCAGC
39501 TGGAAGAAAT AATAAGAGAA CATCCCATT ATTGATAACAA AAGACATACA
39551 AAAAAGAAAT ATTCAAAATA CGCACAAAGGA AAACATATAA ATACTCTTGA
39601 AAGAACGAAA AGTAGACTCA AACAAATTATT AAAATCCTGT GTTATTAGAT
39651 AAGAACATGC AACATTATAT AGATGTCAGC TTCCCCTAAA TTAAATTATA
39701 AATTATGATG AACCCACAACA AAAATTCTAT AGTTTTTTTC TGGAGCTGAT
39751 TATGAATATC TCCTGTTCCA TGAATACTAG TTGTTCAAG AAACAGAGGT
39801 GCCAGGCCTT GGAGCAGGTT ACTGAGGAAC AGTTGGGAG GAGCTGGGTT
39851 TGTTTGTGC AAAATACGCT CTGTGGCTTA TGTTCTGC ATTTAACCTG
39901 TCATCTCTAT GCCGCCTCCT CTGAACCCCTT ACCTGATGAG TACTCCTTCA
39951 GGAACCAGAG TTGGTTTGT GTGATGGGCT GTGGCATGT GACATGGATC
40001 TTCCACTGAT CTCCACCAGG GCTTTTGCT CAGTAGAAAG GTAGCAGTCA
40051 GGGAAATGTAA TTGGGTAGG ACAACCTCC CAGTGCCTC TTAGTTCTAT
40101 CTCTAATATT GCCTCCCCCT TCTGACAAGA GGATGCTAGA CAAGAATGCT
40151 AAGGTGTGAA AGACAATGCT ATTACCTAA AAAGCACTGT TGCTGAATTA
40201 CCTTCTTGGC TGCGGTGTT AGGTGGTAGT CCCAGTTGG TGTTTCTCT
40251 TCTCTTCTT AGTTGCTAGT ATGGACTTTC AGCTTATTTT TAACCTTACGG
40301 CTTTTATCC AAAACATGTC GTTTATGATG AATTGGAGAT ACTTTATATT
40351 AGTTATGAACTT CTGCAATATG CATTCTAGT CTTTCCCCC ATTAGTTCTC
40401 ACCAGGACTT TTCATTCTTC TAGAGCTACC CTGAATTTC ATACCACCCA
40451 ACATTTCCCT ATGCTATTCT CTCTTCCCTGG TCCACCCCTCC CTCCCCCATT
40501 TTGTCGTGAA AATCTGCCTG TTCTTCAGTG CTATTTCAA AGGTTCTTT
40551 AAAAACACTT TCCCTTATGT TTCCAACCTGG AATGTGAAAT GCTGGTATT
40601 ACAAGACAAA TCAACCTTC ATTCTCTCAGT AATTGTGTT TGTTCTGTGG
40651 CCCCCCTAATC AACTGTGAAT ATCAATGCAG GTACTCAGTT TTACCTGGGT
40701 AACTCTGAA ACACCTTGCT TATTGCCCTG CGCATAGTAA GCATCAATAA
40751 AGATAGGATT GAATTAAGAA AACCCAAAGGG CTTAATTAG TCCAGTGGCA
40801 TGAACCTGGCT ATCCAAATTG TTCATAGGAT CTCACCCCTT GGAAACTATA
40851 AATTGTGTTT AATCTATTAT CAGGTGATGT CAGTGACATA TCCAGTAGCA
40901 GTGGTGGTCT TCACCATAGC ACCACAAAC AGAACCTGCT GCTGGCCAGA

40951 TAATTTAGC CCATCTGCTT ATGTTTCTT CAGTCCCTAA AAGCACCTAC
41001 AGTCAGGCA GAGGGTGGGT CATCAACCTG GAAGAGGGTC TTCCCTTAACA
41051 CTTGGTACCA GCCCATACTC CAAATAAGGA AGGCCCTGAG AATGAGCTGT
41101 GCTCATTAAA AACTTGTGA TTAACAGGAT TTTTTTGCC TAAGCCCTCA
41151 AAGCAACAAG TTGTTTACAT TTATAGATGT ACATGTTGAG AGTTTAGTAG
41201 ACCAACATTG CTCAGTGTCA TGTTCTCGT AGATTGTTCA CCTTTTCATA
41251 AATGTGTGAC TAACAAGAGA GGAGATATT GCAAGTATCT GTACATATGA
41301 ATTATTCTTC AGAAAACACA AAGTCTTCT TTTCTGCAG GAGCCCAGAA
41351 GCTTGAAGT CACAAGAAGA GAAGGTAGGA AAAATGCACT CATAACCCATT
41401 TTATTTTCAG TGTTGACATT TTTGAAGTAG TTTGCTGAAA CTAAGATGAA
41451 CTTCAGACTG TGGGCAGCTC ATTCTTGAA ATTTCATGCG GCCTTTCTG
41501 GGTGCTGACT GCTTAGCACT TGTCTGTAGG GACTGCATGG ACTGAAGGCC
41551 AGGTTTGCTT GTGAAAACATA TGACTTCTAC CTTCAGTAC CAGAGGTGGG
41601 ATACTTGAAG AACTGGCTCA TTCGCAATCA TGTTTTGGT CTCTTAAGAG
41651 AAGCCTCATT CTTGAGTGA GTTTGGAATA ATTATTAGTT TTACCCAGCA
41701 AAGCAACGTG ACAAACACAA AAAATGCCCT ATGGTTGTG GTATTTCAAT
41751 ATCTGGGAAG AGATGCCACT GTGAAAAATA TTTCTGAATA GATTTCTTAC
41801 AGCTTCAGCT AAGCTGAAAT AGAAATAACT AATTAATTTC CCTTTTGAAA
41851 ACAGTTCCAT GATGTTCTGT TTCCCCCTGCC AGAGTTCCCT TAGCACATT
41901 GTTTTATGGT CTCTGAGGTA AACATATATG GGTGTTACTT TCAGAAATCT
41951 TTTAGTGGAA ATTGAAGTTT CCCTTATTCA TTTTCAGTAA TACCTAGTCT
42001 CTAATAAGGG ATGCCTTTG TATGATTGTG GGAATCATTA ACAATCATCT
42051 TTTTATTACA TGGATAGAAT GATGAGATCA GAAACGAAAA TGAGTTCTG
42101 GTCTAGAATG TGGCTTGGT TTTACCCTTC ACCACATCCT TCTCTGTGGT
42151 ACTGCTCTCCA AAGAGGGAGA CAATCTAAA GAAATTAGCA AATTCTATAT
42201 TGACTACTAA ACTAACATT GCTTTGCCTC CTGATTAGTT CTTGTGTTAT
42251 GCAACACAGC AAAAGACATA GAATGGCTAT GTTATCAACA TGCTTTGATA
42301 CATGGATATT CATGCCTGGG ACCTTGGTAA CACAAACTTT TCACACTATA
42351 TTGAGTCCAG CTGGTAGTGT GCTGCTGTCC ATGGTGTGCG ATCCCTAGGG
42401 TCATAGGATC TGAGATAATCT GACTCTAAGA TGAACTTTCT GGCTTACATT
42451 CCCATTGCG ATTATCTTCG GCTTCGGACT CGATGTCCCTC TGAACTATAG
42501 GACAATATGT AAAGCAAACCT GCATTGTTG AATATCAAAA CCAAATGGAT
42551 GAAGGGTGT GGAGCTGGGA AGGAGGTTT TTATGGAAAG TAGTGTTCAC
42601 AATGGGTACT GTGACCATGT AAGTTGGAAA GAAATAGCCA TAAGGAGAGG
42651 AGAATTGAC ATGAACCTTG GCTTTGAATA ATATTCTGTT TATGCCAGAA
42701 TCCCGACTGT GAATGTTGG AATTGATTG CATTTGAAAA TCACATATAA
42751 ACTTAACCTT TTGGAATCT TACTGTCCTT GTGTTGAAAA TGTCTTAAT
42801 AAGGCTGGGG TTATAAAAAGA GCCATGATT TCTATTCAAA TGCAATGAAA
42851 AGGTCTGAGT GAACTTATGA CTTCAAACTC CCAGAAGAAT GAGAGTGTCC
42901 AGAGGAGGAG TGAAGGTGT ATCAGGTGTC ACTCCATTCA TCTGTAACCT
42951 CTCCACCGCT GGAAGTGTCA GCCTTCGCAA ATGGTTGACT TAGGAACATA
43001 CACTGTGGGT TTGACTAGC AAATTTGTT TAAACATCACA GAAACTTTT
43051 TCTTCCTATT GTGCACTGAT GTCTTTCTG CTTGTTTCTG TCAAAGTTGA
43101 ATGTTGAGA GTTCCCTGAAA TAGCCCAGTG CTGTAACGTC AATGCTTACA
43151 ACCTGGCAGG AAGAAAAGGA GTGGGACCTT GCGGGCTGGT TCTAAGTATT
43201 TTTAGGTCTG GGAATTCACT GACTCACTGA CTTGGTTGT GGGGTTGTTA
43251 ATCTTCCTCCA GAACAGTGTAA CAAGTATAAA AAGAATAGAA GCACTATGGT
43301 GCTTCAGTAA ACTATTTTTC TGTCAAAGAAA AAGTAAGATA TTGCTTAGCA
43351 ATGAACACCT GGGTTGGTTC CCAGCTCTGA CTCGACCCCG GACTGAAAGA
43401 GGAACAGATG AGTAATAGCT GATTTTCTG CACAGCTTAC AAGGCCAGG
43451 AGAGTCTAGA AAGTCTTCAG GTCTAGAGAG GAAGCTCCCA GTCACAGAAC
43501 CTGAGGAGGT TTCCCTGTTT GATTTGCCCTT ATTTCATAC TGTACCTGAC
43551 TCAGGAGCAT CCCCTCCATT GAAGGTTTAG GGCCACAAAT GGCTAACCAA
43601 CTGCAACTTC ACATTATGTG ACTTTTGAA ACTCTTGACT AAGTATGTGT
43651 GTTGAGAAGT GAGAGGGGCT AATGTTAGCA GTGGAATCG AGTCCAAGCC
43701 AAATCATAGT GGGAACTAGC GACAGTAGGG GCAAAGTGA TGCAATTGTGT
43751 GCCTTAAACC TGTCCCTCTGC CCTATTCCC CCTCTTCCCC TCCAGCCGTA
43801 GATGTCTGCA AGTCTAGCTT TCTTGCCCTCT GGCCTTAGAC TATTCCCTGCA
43851 TGCCTTGTCC CTCATCCCTG TCAAATCCAC CTCCCTTCA TCCCTTCCAA
43901 CTCTCTTCT TGAAGTGTGTT AGCTTACCT ATCTAATTGG AGAGGGAAAGG
43951 GCTCCTATCA GGTAAATTTC CTGAGATCAG AGACCCCTCCT GCCTTCTTCA
44001 TCCCCACATT CCTCACAGCT CTAGCCCAGG GCCAGTAGTT AATCAACAAAT
44051 TGTTCTTAA AGTAAGTGA AGCTACACAT TTGCTTTGTG GGTGTTGCCT

44101 TTTCATTCTG GCCCTTCCC GTAATATACA AGTGAGGCAC TGGGCCCTT
44151 GGTTCTGGAA AGGCACCTTT AAAGAAATGT TCTATGGCTA TCATTAGATT
44201 TTCCCTGGCTG ATGCACTGAA GAAAATTCAA GTAAGCTTAG TATTATGGGT
44251 TGAATTTGT TCCCCAAAAA GACATGTCAA AGTCCTAAC CAGAACCTGT
44301 GAATGGAACC TTATTTGGAA ATAGGGTTT GGCAGATATA AAGATGAAGT
44351 CATAATGGAT TAGGGTGGGC CCTAATCCAA TAGTGAGGTC CTTACAAGAA
44401 AAGGGAGAAT TGGACACAGA CACACAAGGA GAACATCGTG TGATGATGGA
44451 AGCAGAGAAT TGCTGGCAA CACCATGAGC TGGCAAGTTG CAAGGGACCC
44501 TCCATCCCTA GAACCTTCAG AGAGAGCATA GCCCTGCCAG CCCCTTAATT
44551 TTGTAATCCC AGCCTCCAGA ACTGGGAGAA AATCCATTTC TCTGGTTTA
44601 AGTCACTTAG TTTGTGGTT ATTATGGTGG CCCTAGGACA GTAATACACT
44651 TGGAAAATGT TGGACTCAGT AAACATTAGT TTTCATTTGTT GTTGATGATG
44701 ATGATATTTT GACTGGAGAA TCTCTCATGA TTTTCATAG ACAAAATGTC
44751 ACTCTCAACA GGGAAATGTAA TATGCAGCAT TTTCCAAACT TGGTTTCTG
44801 TGGGATTAA AAAAATTAAT TGTGTTGTT TAAACCATCT CAGGGCAGGC
44851 ATTCCATGCA GTGCCTTTG CAAACCCCTGC CCTAGAGAGC CCAGGAAGAG
44901 GCAGAGCTTC CTCAGAGTGC CCAGGCACCA GACTGTGCTC CATGGGCTGT
44951 GCATGTACAG AACAGTGTGA CAGCAATAAT AAGAATATCT TCTTGGTTGT
45001 TCTGATGTTT TCAGAGAATG TTCACGTTCT TTACCTCCCT TTCCCTTGAG
45051 TAACCTGTGA CACAGAGCAG ATAGCACTGC ACACATGAGA CTCCCTCCTT
45101 TTCATGTTAA TTTTAGTAG GGATGAGGAA TGCTTCTGGG CTGGTGCCTC
45151 TCTGATGCC TGAACCTCTC TTTAGTGGGT GGTGGTTGCT TAAGTGACTT
45201 GATCTGCTT CATCACATCC AAGGGTGGT GTACCTTATG TTGGCTGCCA
45251 AGCCCCAGAGA GCTGAGAGGG ACTTGCTGGG GGTGCTTTGT TTCCAAGTTA
45301 GATTGTTGGG ACTTGAAGGT AGACACAGTA GCAAAGATTG TGGCAGGACT
45351 ACGAGACTGA TAGGGTGTCC TCTGGGAAGG GTGCATGCCT CCCCAAGGGA
45401 GACAGAGCCA TTCCCTCCTTC AGGACAGTTC CGTATGACCC TGGATATTCA
45451 TGCCTGGGAC CTCCCTATAT GAGCTGCATG GGAAAGAGTG ATGGCTGCAT
45501 CTCTCTGTGC TTCCAGTGC AGGTATTTT ATAACCTCCCT CCAGACATCT
45551 AAAAATTAAT TTCAACCTTT TCTGAAGCTT CAGCAAAAGG TGCCACCCCTT
45601 ACCTTCTAA GATACTCCCG TGTCCACTGT GAGGGCCAAT GCTGATTGCG
45651 ACTGCCAAAAA TTCACTACT CAAACCAGTA CTTTCTCTG ACTGTTCCA
45701 TCATGTTGAA TTACAGCCAT GAGCAGAACAC TTGAGTAAGC TGAGCAAATG
45751 GCTGGGATAA TTCAACCTTT GTCAGCCATC TCTGAGGAGC ATAGGGCGAT
45801 CTGTAAGCTA TTCCAGATGT CCGTGATTGT GCTGTGATTA GGGGCTGCGA
45851 GTTTGGGGAT GAGCACCAAT GTCATGTTGC ATTGCCCACC TCCCAGCGCT
45901 GGCTCCCGCA CATGTTCCAG CCCTGTCCAG CCTGGCCTGG CTTCTAGCAA
45951 GGCTGTGAGG GAACCCGGGA GAGGAGGGCT GCTGCTGTCT TCAGGGAAAA
46001 GGAAAAAAGG GGGTGACCAT CACATGCACA CTCAGCATGG CTCTGGCTCC
46051 TTGCACTGTC AGATCTCTA AGCAAAACATG ACCTGCCAGT CCCGAGTGTG
46101 AAACTAGAGC CTCACTTCT GAAAACCCGT GGAATCGGTC CCTAATTGGC
46151 AGCTGCCCTC AATAGCCCC TTATAGTTCT CTGCATCTGG GTGAACCTCA
46201 GCTATCAAGA ACTGCATTCT GTTTACCATT AATTTGATT TTGTGTAGCA
46251 GATGTTTCTT GGATCTCTA GTTCCCTGCC TAATCTATCT TGGTATAATG
46301 TGAAGTGGCT GACTGTCTC AATGAAACAG AATTAATAAA CTCCTAGGTT
46351 ATTTGGGGT AACTCTTTA ATAGCTGCAG ATGTAGGGAA TTAAAAGGG
46401 AGCCATCCAG ATTTGACAGT GCCTGGAGCC GTGGGTCTTT TTCAATTCAA
46451 GACTGCCATC TGGGGAAAGA GATGGCTTT CCTTCCCCCA TGCCACCCCTC
46501 TCTCACATGC AGTGAGGCAC TGAGTGTCT TCTACAGTCA CTGGGCTCAA
46551 AGAAGTTGAG AGTGACATCT ATCTCTGTG TCCCAACCTC ACAGAAATG
46601 GCTTTCTG GGTGCGTTG CCTTGTTC GCTGCTGGGA AACTATATTG
46651 TGCTTAGTTG CCTGAAGTTG AATGGGAAGT GCATGGTGCA CCTAGCCGAT
46701 GTGTCTGCT TAAGTAGTGA TTTGGTGGCC AGTTTGATC ATGACCAATT
46751 GGTAGGCAGC TTACTCACAG TGTGACTTCA GGTAAAGTTAC TCAACCTTAC
46801 CTGAAAAAAGG ATGCGGATAG TAATAGTACA AACCATCAGT CCCAATTCTG
46851 AGTTGTAGAA ACCCAACTTG TGCTGGCTGA AGCCTGAAAG GCCTATGAAG
46901 CTGCAGAATC TAAGGGTGGA TCTGGCTTC AGAACAGCTG ATAAAAGGAT
46951 TCTCACACTC ATCCCTGCTT CCTTCTCCCT GGCACATTGG CCTCTTCCAG
47001 GTAGCCTTCC AGGATGGCCA CAAGCAGCTG CAGCTCAGAG TCCTGGCTGC
47051 TCACCGTCTC AGAGGGTGAA ACTTTCCCC CAGAATGACA CCAGAAAAAT
47101 CCCCTCAGGG TTTGCAAAAT CATCCTCATC CAGACCACAG GCAATGGTTT
47151 GGTCCCTAAA GGAAGATTCT GTGCAGGGAT GTGTCGGTG TCCACACAGC
47201 CTCGTGGACA TATTGGGAGG GGTGACTGTG TGTGCAAGACG CCTTGGCACA

47251 GGACAGGCAA TGTTGGCACT GCTCAGTGCA TGGGTAATT TTACTAGAGC
47301 TCTTACAGGC CTGGCCATAG ACATAGAGGC CTTTCTCAAG TAAGCCAGTT
47351 CATTCTTCTG TCTCCAAGAT GTGTTCATGA GACTCTGGAT GTTGTGGCCT
47401 ATTGACTTTT CCATGAAGAA TTATTATTAT TATTATTATT ATTATTATTA
47451 TTATTATTAT TATTATTATT TTGAGTCCGA GTGCACTCA GTCACCCAGG
47501 CTGGAGTGC A GTGGTGCAT CTCGGCTCAC TGCAAGCTCA GCCTCACGGG
47551 TTCACGCCAT TCTCCTGCCT CAGCCTCCCG AGTAGCTGGG ACTACATGTG
47601 CCCACCACCA TGCCCGGCTA AAGTTTTGT ATTTTTTAG TAGAGACAGG
47651 GTTTCACTGT GTTAGGCCAGG ATGGTCTCTA TCTCTGACC TCGTGATCTG
47701 CCCGCCCTCAG CCTCCCAAAG TGCTGGGATT ACAGGTGTGA GCCACCACTC
47751 CGGCCGAAGA ATTATCTTAA ACTTAGCCTA TTCTGGTCCC TTTCCTCTGT
47801 CAGAGTCTTT CTTTAACTTT ATGCTCTAAT TCTCTCTTC TACAATCAGA
47851 AGAACTAACGC CTTTAAGATG GTGCCTTAA GAATTAAAG ACAACCGCC
47901 GGGCTCGGT GCTCACGCCGT GTAATCCCAG CACTTTGGGA GGCCGAGGTG
47951 GCCAGATTGC AAGGTTAGGA GTTCAAGACC AACCTGGCCA GCATGGTGAA
48001 AACCCCGTAC TCTACTAAA ATACAAAAAA TTAGCCAAGC ATGTTGGTGC
48051 ATGCCTGTAG TCCCAGCTAC TCAGGAGGCA GGAGAATCAC TTGAACCCAG
48101 GAGGCAGAGG TTGCACTGAG CCGAGATCAC ACCACTGCAC TCCAAACCTG
48151 GGAGATAGAG TGAGACTTAA AGACAAACAT AAACCTCTCT CCCAAGATCA
48201 GGGGCTTCT GAGCACTGGT GTCAGAAATC ATCCTTAAGC ATTACAGATA
48251 TAAACCATCC CATCCTCTGG CTGAGCTCAG CTCTCTCCAG GGATTGGAGG
48301 CAGCAGGACC TTGTTGGTGA TAGCTCAGGG CTCACGATGG ATCTGCCAGT
48351 GATGCTATCT GAACCTGAGG TATGTAATC CTCCCCAAGA GCCACAGCGC
48401 CACTCACCTG GTACCTGTAG CCTTTGCCCT GGGACAGCTC TCATGCTGCT
48451 GTGCAGGCAC AAAGTTTGGA AACGCAGGGG TCAGATGTCT GCCTCCAGG
48501 GTCCCCCTGTC CCTGACACAG AGTGGGCACT GAAAAAGTGT TAGATGCCAGT
48551 GCATGTCCCA GGGCTGACTT GGCTTTATGT CATCTCTCCG TTTCTCACCA
48601 AGGTCACTAC ACAGATAACAG GGCCTTCCAG GTGTTTGAC TGTGAACCCC
48651 ATAGCTCCAG GATACTGGT CCTATTGCT GAGCTTGCTC TTCCCACCAAG
48701 TCCCCTGGAA TGCTCACTT CCTTAACATAC CATCCTCAGA GAGCTCCTCT
48751 GGCCTTCTA ACAACTGTG GGTCCCTCTG CTAGAAGGAG CTTAAACTGTT
48801 GTTCATGCAC ATGAGCTAAA CCTCTGTGGT TATGACGGGC AAGCTATAGG
48851 TCGGTGTGGG CAGGATAATG AACCCCTAAT CACTCGTGCT TGCCTAGCGG
48901 TCTCCTTAGA GGTTGCATTG CAATATTGG GCATAGGTCA CTATCTGGAA
48951 TTTGTGGGA AGAGTCACAT TGTCGAAGAG GTCATGACCC CTAAGGGTA
49001 TGAACCACTG CACATTCTA AGGACAAAAA GACAGGATGG TGTCAAGCCAG
49051 CCTGAAGCAC GCTGATCTG CCCCTCCAGG ACAAGTGGAG AGAGATGATG
49101 GTGCTCCCTG TATACCTGCT GAGGTCCCCA CCCTACCCAG GAGACTCACC
49151 CTCATCTCTC AGATCCCAGC AGAAGTTAAG CTTGACATTG GTCATCTTCG
49201 TTACTTGACC AGTCCCCAAG CCAGAGGCAT TTCTTGCTT TTCAGGAACC
49251 CTTGAAATTAT TCTTCTTCAT ATAAACACTG AAGCCCTTTT CAAACCTCAT
49301 TAAGCTATTT GCCCCAGCAT ATTAATGTGC TATCCACCA CCTCTGGGGT
49351 TAATTATCTG TGAGTTAAAAA TCATTTGTTT CTGTCCTTT TATCTCATTG
49401 CTGCTGGCA ATCTTTCTT ATTAGGAAAC GAAGTACAGG ATGCAACTGA
49451 CCATTATGTT CTAATTCTAT TCTTTCATC AAAATGAGTT CATCTTTAA
49501 AGCTCTTTG TAAAAAACAA CAAACCTGTC TTTTCATTAT TTTAAGATTG
49551 TGTTGTTTT TTAACAAATC TTAAATCTCT CTGCTTCAGC CGGAGCAGAG
49601 CCAGGACTGG AAATAATCTG TAAGGGGAGA CCTCTCCTCT AAATCAGCAA
49651 GACCTGCCAA CACTCTCTCT CCTGATTGGC CTCACTCACT CTGCATTGG
49701 CCCATTCTC TCCTGTGGCT GTGGTGAGGG CTTCCAAGGT GTACAAGTTG
49751 GGCTGGTGA ATAAGCCACA GTGCTTGGC AGATCAGGCA ACCAGGGTTG
49801 GAAAATCCGT TGCAATTCTAA CACACCCAC TGGTCTCTAC ATGCTCTTAT
49851 TTGGGTTATA TTTCTTGCC AAGGTTGCCA TTGGGTTCCA AGAAATGCGT
49901 CAGGGCCTGC ATAAAAAAGA AAAAAAAAAA CAAAAACCTT TTCACAAAAT
49951 GTTGAATGTT GCTTGAACG CTCCAGGAAG TCAGGGAGCG TGTGTCCAG
50001 AAATGAGCAG GTAGGATGGG CACTGGCTCC ATGGAGACAG TGACCCACAG
50051 CCTTCCGGGA TAAGAGTGC AGCCAATAGTG GGGAGACCTG GGCCGGGGTC
50101 TGAGCCAGT CAGTGCAGTT GGATGGTGC AAGACTGGT TCTCCCATGTT
50151 ACTGCAAGCC AGTGATTGCC CCTACCCCTGT TCTTCGGGGC TCCAGCTTCT
50201 CAGCTCCATT CTCTGCCCT CAATGGCTCT CTCACCTCAT CAGTGCCTCA
50251 AAAACAAATAT CTGGGACTCT AGTTTGATAA CTACTACTTG CATTGGAGAA
50301 ATGACTCCTC TGAAAGGTG AATACGATTC TCAGAGTTT TGAGGTTT
50351 ATTGGTGTGCT TATAGAAGTT TCCTTGGCT GATTGGAGTT TGGTGTGCA

50401 AGATGACCCG GCATAGTCCC TGCCCTTATA GATGAGTCAG TTGAGAAGAT
50451 GCCCAAGCGT CCTGCAGACA GATGTCCTACC TGGTGTACCT GCACCATGGC
50501 CAGCCACCTC TCAGTTGGGT CCGCAACATA GAGAGAGCAT TTGTTCACTG
50551 TAATTGATGT TGGAAATCTGG GAGAACAACT CTCTGAATGT TCTGGTGGAG
50601 GTGAAGTTTC AGGATCTTT TTCCAAAGCA TGGCTGTCTC AGCAGAGGGT
50651 CCCCTTGAC TTTAAGGGC ACAGTGTACC AGTGGTGACG TTTTGTTGC
50701 AAATAACAAA CCCCCAACCA ACTAGCTCAA ACAAAAAGAG GACTTATGGC
50751 TTATGTAATT GGATAGTCCA GTGAGGGTGG AAGGTGAGGA GTGCTGGGCT
50801 TCAGATATAC TTGATATGGA GTGTAAGGAC CTGGCTTCTC CCTCCATTT
50851 GCCCCTCTCT GGGGGTCCC CTTCATGGTG AGTGCCAGGC TCCCCCTCTC
50901 ACAGCTCCAG GTCCAGTGGG AGACAGATGG CCTCTAGTCC AGTGTATCCC
50951 ACAAAAGTGC TAAAGCTCAC TGGGATTTGG CAGACTCAGG TCATGTGATT
51001 CATGCACTTA ATTAATGCTG TGTGCTGTT GGTTTCTGA AGTCACCAAGC
51051 CATAACCGCTG GTCAGGATAT CATGAAGTGA GAGTGGGAGG AAGGTGGATC
51101 CCCAAATGGC ATTGGGTCT GAATAAGGGG CACAGAAAGCA GGAAGGTA
51151 AGGAAATTCT CTAAGCATAT TAACGTCTAC TTAATGATTT CACATCTGGG
51201 TGTCTCTCAC TCTCCACCCCC TAAAAGGATT CTGAGTGCCT GAAAAGCAGG
51251 CTAAGAATCA GCAAACATTC ACCTAGCGTT TCAGGGGGGA GGTGCTCTCT
51301 TCTGTCTTCA GAAGGAATCC AAGGCTAAGA GATTAAGCAG TTGACCAAG
51351 GTCACAGAAG CTTCTAACAG AGTGTGAGTT TGAACCTCAAG TCCCTGATGA
51401 CAAATAAAGG GCACTTTTTT GTTGTTCAA ATCACAGCTG CCTCCAGCGA
51451 TTGGGTCTT TCACCTTGT CTTTGCCT GTCCCCTAGG GTAGCTGCAG
51501 GAGGTACCTG GGGAGGTGCA TCAAGCATTG ACCAGCGAA ACTTGAGAGG
51551 GGTTTACCC CAAACATGAC ATCCTTCTT TAGCACTTTA GCCAAAGCAC
51601 ATAAGGATGA AAAGCAAATG AACATCAAAT GATGAAATCA CCCAAAGTAG
51651 AGAGAAAAGT GAATGAGCAA GCCCCTCACC TGGCAGTGGC TTCAGTCCTT
51701 TCCTTGATGA TGTGTTGTAG AAGCTTTAT TTTCCACTTT TCCTAAGAGA
51751 TCACCTTCTT TCTTGGGAAG GGGTTGGTGG AGGCTCGCTG GGCTGGCTGC
51801 TTCTAAATGG GCATGGGGTGC GCAGACAGGA ACACAGGATG GGGGATGGAC
51851 CTCACCTATA ACCAGGGCTG CTGTTCAAGGA GCCCTGAACCT TTTGCAACCT
51901 CTGCCTCCTG GGTTCAAGTG ATTCTCTTTC CTCAGCTTCC AGAGTAACCTG
51951 AGATTACAGG CATGCACCAAC CACGCCAGA TAATTTTGT ATTTTTGGT
52001 AGAGACGGGG TTTCAACAG TTGGCCAGGC TGGCTCGAA CTCCCTGACCT
52051 CTGGTGATCC ACCTGCCTCA GCCTCCAAA GTGTTGGGAT TACAGGTATG
52101 AGCCACCGCA CCCGCCAGG AGCCACTTT TAGTAAGTAA TTTCCTATGT
52151 GTCCACACAT TCAAGACAAT TTAGAGGCAA AAGTTTTAGT CCTTTACTAT
52201 AAATTCTGTA GATTGGAAAT GGAAACATT TCACATTCAA CTTCTTATTT
52251 AATCTCATA AACAAACCTCT GAGATAGGCA TTGCAATCTT ATTTTGTAAA
52301 TTTAAAAAAAT GAGGACCTT TGTACTCTGT AGGAAATTGA TCAAAGAATT
52351 AAAATGGGCT TCACTGAGGT CATTCAAGGAA GATACATTCT GTGGGAACCT
52401 GATAATGTTT GTGTAATTCT GATTGAAATA TTGCTATTCA AAAATGTGGA
52451 TTCATTGTT TACAGTCAGC ATGCCCTCAG AGTCAGAGGT CCTGGGACCT
52501 CCCCCAACCT CCCATCTCGG GGAGCTGTGT CTTGCTGCTG CTACCAAAGG
52551 GGAGTAGAGA ACCCCAACTT CAGAAGAAAT AGGCCTGTAA AAAACCCACG
52601 GGTCTGGCA ATGCGTTGTG GGGGGTAAAA ATATATTCA GTCTATTCCG
52651 TTTACTAATT TTAGCAGTTA TTGCTCTCC CTTTTGCTG GAAGCAACAT
52701 TCCCATCCAG CTGCTTGGCT GCTTCATTG AATTTTATC ATTTGTGTA
52751 GCCCCCTGCAT GTTGGACAC AAAATGGGAG TCCTGTGGCT CAGAGGGGAC
52801 CTTGATTGTA TAGGGTCAGA TCTAATCTCC TGCTCAGAAA CTTCAGCGGA
52851 AAATAAAATG AGTTGAGGTT TCTGTTTGT GTGTTGTGT TTATTTTTA
52901 AAAACAGTAG GCCTGTAAAG CTGTGCTGGC ATATTACTTT TTTCCCTTT
52951 ATACAGAAATT TAAAATAATA CCTTACATTC AAATAGTGTAA ACCGGTGTGC
53001 CTTTGTCTCT CAAAGAGCTT TCCCATTGT CCTCTCATTT AATATGCTCA
53051 AGAAAGCTG TGAGTTGGGA AGAGTGAAGA TATGGTCATT GGTATTTGAC
53101 AGAGGAGGAG ACTGATACTC AGAGATGGCA AGGGACTTGC CCCGGGTAC
53151 ACAGCTAATT GAGGCAGAGT TGGAGATTAT AGCGTCCAGT TCTGTATTAC
53201 TCCCACCAAG GCTTCCCTCG AAAATAAGAG TTTATGGCAG AAGTTTCAA
53251 ATTAAGACCC AATGGGAAAA CACAGAATT TCAGTCCTGT TTTGGTTCTT
53301 TTAAAAATAA ATTATTGTAAG AGATGACTTC TCTCATCTGT CAATGTAATG
53351 ATCCCATACC TGGGGTATTTC AAAATATCA AAATGTGTAT GGAGGAAATG
53401 GTAAAAGTTA ATCATTTCA CAGTACCTGT CTGTTGTGAG GTTTAATTAT
53451 CACTGACAT ATTCTCATGGT TTAAAATGAT GACAGTTAA AATAGAGCCA
53501 GAGAGAGCCA GAAAATCCA TTCATTATCA TGTGTCAGGT GCTACATTGG

53551 AATAACCCCC AAATACAGAT GGTCCTAGA CAGATGATTG TGCAGCATTT
53601 TCTGATAGCT ACAGATGTCC CTGCTACTGA AACCCAGACT GAGAATACCA
53651 TTCTGACCCCT GCCGTCAATA TGCAAGGGT GCTTGGGTGA ATCTAGCAGC
53701 GCGGTTTGAT TCTCGTACCG CATCGAGAT GCTAAACTCC CCCATGCTCT
53751 CTCCAATCCA AACCTCTCAC TGGTCTCTG CAGAATTCT AATGAACAAG
53801 ATAATTCACT GTGAGTGTGC TTTGAATGAA TGAATGAATG CTATTTAAC
53851 TACAAGGTGA CAGATATTTC CATGTGCCTC TTAGGAAATT GCATGCCCTT
53901 CCAAGAAGAC AAGGTTGAAA AGCAGCTGTG TGTGTTGAA TAAGCTCAGC
53951 ACTGTCTGTC TGTTTAGGAA AAAATAATA ATTGTTCTT GCCCATGAGA
54001 ATTCCTGAAAG TGGAGCTGTC CAGAGCTGAC CCGTCTGTCC ACATTTCAAA
54051 TTTCACTTTG GAGAGTCCTG GGAGAGGGAG CAGATGAAGC CATTTCAGAA
54101 ATGTAATGC TGTTTGACAT CTATTAGCTC AATGCTCATC CATTGCTGAC
54151 AGCAGGATCC ATTAGGACGC GAGTGTATG GATCAGAGAC ATTTGAAATA
54201 TAGCGAGAAA CATGCTACCC GCAGCAGAGG CCCATGTAGA TGACTTGAGA
54251 GAGCACTAGA TGTGCCACC ACTGTGGTCC AGGCACCTCC CCCCCATCTC
54301 CCCAGGCTCT CTGTCTGGAT TTCCCAAAGG TCAGCTGCCT AGCCAGTCTT
54351 CACGACTGCA CTCTGTCCAC CAAGCAGCCT GCCTGAATGC TGGGCATGGC
54401 GGTGACCATT CCCTCCTTGC AAGGTCGGGC TTGCTCTAG TCTCTACCAT
54451 TCATGGAATC ATCCAAATGA TCCAACCTCA GATCAAAGGC CCCACAGGGT
54501 CACCCCTTAT TTGTATAGAT GAGGTAGGCT TGAACAGGTA CAGTGACGTG
54551 CTCGAGGTCC CAGGGGGCTA GTGAGTAGCA GAGGAGGGAT TTGGGGCTCT
54601 AAGCCAGTGC TCTTAGTTCT CAGGGCTCTC TGGGTTGTTT TTCTTGCTTC
54651 CTTTCCTTGC CTCCCACCC TGAGTCCAGG TTCTCCCTTC TCTGTAGGGT
54701 GGCACAGTGT CCAACATATC CCAGAGACTT AGCCGCCATA TCCTAGTGT
54751 GGGGGTCTG GCTAACTGAG TTTTCTAGTT AAGTTCTATG TTTTGACTTC
54801 GTTTAAGTTA TTCTAAGTG TTTTGTTCCT CTCGCTTCTAGG GGATCGGAGA
54851 TTATATGGGA GGGGGCACAT GATGACAATC GTTGTATTAA AAGCCTCCAC
54901 CATATGCCAT ATGCTATGCT AAGTTCACTT ATTTAACAC TCCCCAATAG
54951 TCCAATGTAG CCAGATAGTC TGATATTCTG TTTAGAAAT GAGAAGACAC
55001 AGCTTGAAA GGATTGTGA TTGGGTTGTC TGGCGTTTC AGTAAGTTGG
55051 TGACTTATT ATTGACCTCA CTGTACCTAA ATATTCTTC CTTTGTGGTG
55101 GGATGCTCCCT GTGTCTTGCT ACTGTAGCTT TGCTAGGACC CTTGTCCTGA
55151 GGACTCTCGAG CTCTAAGGCA AGTCTGCAAG GTCACTTCTA AATGGACAGT
55201 CCTTGAAAAG CTAGGAAGA GCAGGCCAT CCATAGCTGT GCTTGATGGG
55251 AGGGGAACAT GTGGAGGACA GAGGGAAATG GAAAAGAAAC GTCCGAGACA
55301 AGACACTGAG AAGATGCTGC CATGCCTCGG AAAAGAGGGG AAGATGCTGG
55351 TCCAGGCTAT TAGTCTTGGA CAAGCCTAGG CTTCCCTCCCT CTTGATAACAG
55401 ACTGTGGTTC CGGGTACCG CGGGACTCAC CCTCTCTCCC GCGCCCCCTG
55451 GAGGTAGAG GGAGAGTTAC GTTTCCAGG CCCAGAGACC TGATGGCAAG
55501 AGACTAAGTA GCCGCTGCAG TTGGAGCACA GGGAACCGCA GGACCAGGAG
55551 ACTTTACCCA GAGGTGCGTT GCCCTGAACC CTACAGTTGA GAATTCTGTG
55601 GCTCTCTAC CATGTGCAAG TGTCCAGAAA AGACTTGCAC ACATATATCT
55651 CTCCTATCTG CTGCTAATTG TTAGAACACC CACTGTTAGG GCTTCATCCC
55701 CTGTTCTTT ATGAATACCC CCAAAGTCAC GTGGGGTCCT GAAAGAACAG
55751 CTGAACTTTC GTGAGGCCAC ATCATCTCCT ACCTGGAAAC TCACCAAGCC
55801 TGTCTGCCTC TTCATAAGAA AAGTAAGACA GGTTCTCCT AAGACCCTG
55851 AGCCCGATTG CTGTTCCATA TTGTTTCAT ATGACAGGTC TCAAACGTGGT
55901 GGCTCGTGGG CCAGATTCAAG CCTGCAGCCA TATTTTGATT TATACCATAC
55951 TTGGCTGCA GAGGTTTTT GTAAACATAA AAATATTTCA ATATGAATGA
56001 GTGCCATCG TTGAAAATA AGGGCATTT ACCAACAGAT TCAAATATCC
56051 AAATATACAG ATGATCTTGG AAAGCAAAAT GCTTGTATAA CCCTGGGCC
56101 ACATGACCTC ATGGCAGCAA CAGGCTTGGG TGAGAGCAGC CGTGTCTCTG
56151 AAGGGAATAC ATGCTCTCCT GCTTTCCAC AGTCTCACC ACTCCCTAGT
56201 GCATTCCCTCA TAGCGAGACT AAGTGTGTTA GATACAGTTG TGAGAATAA
56251 ATATGACCAA GTAGAAATTG CAGAAGACCC ATGCTCCCTA AATTACTTGT
56301 GTGGCCTCCA TAGACATTG AGTTTCAAT CCCTGTTTG TACTAAGGTA
56351 TAGAACTTGT TAATTATGGA CCAGTAGAGT CAGATGTCAG TAAGGAGATG
56401 GGGGAGAGAG GAAAGTGGAG GGCAGGGAGG AAGGTGGGGA AAATTAGAGT
56451 AAAGGCTGAA GCAACCCCTT ACCTCCTCAG CCCTCCTTGA ATGCTCTAA
56501 TGATGCTGGT GTCTAGAAGT GGGTCCTTGC TTTAGGCAGT TAAATCTTCC
56551 ATCATTCTAT CTTATTTTT GATATTGTG CCTTAATCTA TAAATATTCA
56601 CTCTAGGCAG TACATTACA AGCAAGGTTA AAGCTTGGTA ATTAATATT
56651 GTGCCCTCTC ATGTAAGTTA TGTCTTAAATGAGGCAAT TGCTTTAAGC

56701 ATTTAAGACA TTCCACGTAT ATTGCAGAGT AATTACTTTC CAAAGATATT
56751 TCCAAGTGTGAT ATTTTGTGAT ATCTAAATAT ACATTTACAG TACTCAGTAG
56801 ACCAGAATAG CTCTAATTAA TATATTGGT CCACTGGGTT AGAAAAAGAG
56851 ACATTTAAA AGTATGTTTT TAATCAGTGT GTTATCCCCA AAGATACTGT
56901 TGGCCTCTCC AGAACACAC GATTTATAA AAAATAATAA ATGTGGGTG
56951 TTCTCTGAGC TGATTTAGAC TTAATGAGA GATGACATCT CAGCGGAGCA
57001 TGAGCATGGC TAACTTTAA TCCGGGCTCC GAAGTGTCT AGAGCTTGG
57051 GGAACATTATT AACTCCCTTG GTGTCATTT CTTAATGTAC AAAATTCTAGA
57101 TGATAAACAG TTACTGCCCT TGTGCAGTGA GAATTAATGC TTTCTGAGTC
57151 GCAGTATTGT TTTGATAAAA TAGTCTTAAT TGTTGCTTT GTACATTTC
57201 TGCTTATTAA TTTTTATTAT TTCTCTGCC TCTGTAATTG GTCGTTATTG
57251 GGTTCCCATT ATTTCTTTAT TAGTCATTT ATAAGAGCTA TCTTGTGATT
57301 TATCCTCCCT CCCACACTTG CTGTTCCCCC AAGTATCGTA AACAGAGGCA
57351 AGACCCAGGC AAACAAAGCT GGTGGTATTG TTGGTTGCTT TGAGTGGCTC
57401 GCCCGTTGTC TTTAGGATGG TTCATTCCC ATTGCTTGAC TGCTATGAAA
57451 GAACTTATAT GAATCCCAGG AGGTTTATTA GAAACATGTT CTAAGTAATA
57501 GTAAGAAAGT TGGATTAACA GGGTCTGCAT GGAAACTCTA ACCTCCCTCC
57551 CTAAAGGAGG AGAGGAGCAA GATGAGTCTT TCCAGCTTGG GGCAGGCATC
57601 GTAAGTGTAC AATGACCACA TAATATGGCA CACTATATAA AAGGACAAGA
57651 AAATCATCGC TCATACAGTG AAAAGAAGCC AAACCTCATT CTACCTAAAA
57701 GTTGGCTTTC TATAACATT CCAGCCACCA TTACATTGGG ACTTTATCCT
57751 ACTCTTATTAA CTCATATGAT CTCATTGAGT TGAGAGTTGT CTCTTCTGT
57801 GTTCTCTAAC TATTCACTGT AGTTTTCAA ATTATACAG CCAGACATT
57851 TGAGTATGAT CCAATGTACT GGTTATATTA CTTGAAACAA GTTATTTAAA
57901 CTTCTGTGCT TTGGTTTCTCACATCTAAA ATAGTGGTGA TAGTTCTATC
57951 TACCTCTAT GGCACTTGTA TGGATTAAAT GCATATTAA AAGCTTAGCA
58001 TAGCACTGGC CCACCTCTG AGTAGGCTCT ATATTAGCCA TCATTGTTAG
58051 CTATTATTCA CCCACAGTGTGGCTGGG TGCTGGGGT TGTGACTTCT
58101 AATTCTAAGT GGGCCTGTAG TATGGGGAC TAGGATGTCT TTGGTGAATA
58151 CTTACTGAAA TGCAATTGGT TAGAAAGCCT TGGATTAAAC TGGACCAATT
58201 TATTTCTTT CCTCAAAACT GAGTAATCAC ATTATCCAC CATTTCAGAA
58251 AGAGTAGATA CTAAATAACAT GAAAATTAA GAACATTTA TGCACTTAT
58301 TGTTCTGGC TATATGGGAG GCTAGATAAC TTAGCTGACT CTCCCACTTA
58351 AAACAATTAA TAAATAATGGA TAAACATT AAGCAATCCT TTAAATACCT
58401 CAGTGAGAAA GCAGGAACAA AAGATTCAA AGAGGCCAA AACTCAGAGA
58451 AAGTTGGGTT CAAAGCAGA CTTTGCTTT GAGAGTATT GCCAATGCA
58501 GGTGACCTTG AACTCTGATT GTTACGACCT CAAGAGATAT GGGGACAGGA
58551 GTCAAGCCTA GGGCAGATCA GTCTGTTAGA AAACCTCCTC TACATAAAAG
58601 CTGAGACCCC AACAGACCCC AGTAGGCTAC CTCTCTAGTG TAAGGATGAA
58651 ATAAAAATAA ACATGCCCTG TCTTCTCTCA AGGATGTGTG AAGAAAATG
58701 CCTGCCTTAA ACCTGTATGC TGAGTGGGAG CCAAAATGTT TCCTCTGAGA
58751 ACAGGAACCA CAAGCTAAGC TTTCAGTAGA ATTCAATATAA CAGACTAGTC
58801 TGAGAAAGCC TCAGCCAAGA ATTTGCTTG AAACAGTCCT GGTTGATAGT
58851 GTTCCTAGGT ACATGGTAGA GCAACACAA ATCCATATGTA AAAGAACTCT
58901 TCTTCAGTAT TGCCCTCAAA TAATTTGAC AGTTTCCAT CCAAGGAATA
58951 TGAGCTCCCA GTAAAATTAA GTAAAATGA AAGGATGCAA AACACCAAAA
59001 GAAGAGCCAG CAGAAAGGAA CTATGAAGAC CAGATAATAG AATTAACATT
59051 TAAAAAAACTG TGCACTGTGT GTTATAAGCA ATAAAAAGGG AGCTGAAAAT
59101 ATAAACAAAG AATAAACCTA TAGAAACTAT CTTGATTATT TGAAAATAA
59151 CCAAATAGAA TTTCTAGAAA TTAAAAAAGG TAATTGAAAT TTTAAAAATC
59201 AAAGGATAGA CTTCAGAGCA AACAGGGCAT AACTGAAGAG AACTGGAAGA
59251 TACATCTGAA AATGTAACCA GAATGCAAGG AGGAGACAAA GCTATCAAGG
59301 TTAGGAGGCA AGGAGACTAG GATAAGGAGG ACTCAGTCAT TTGTAATTGG
59351 GGTAAAGAG AGAAAACAGG AAGAGTATAA TTGGAAGGGG TAATGGTGA
59401 AAAAGTTG CAAAACATAA GGAAGACAGC TATCCTCAGA TACAGGAAGC
59451 CCAGTAAATC CCAAATAGGA TAAACAAAAA GAAACGTAAG GCTATCTACA
59501 ACAAAAACCTT GCAGAAACT AAGGACAAAA TGATAACCCCT CAAAGTAGCT
59551 AGAGAGAAAA AACAGATTAC TTATGAGAGA CTTATAGTTT ATTTCCAGT
59601 AGAAATCAGA AAGCATTGGA ATATCTTAA TATGCTAAGA GAAAACATTG
59651 GTCAACTTAG AATTCTAGAC CTATTAACCA TGTTCCACAA CACTCTTACT
59701 CTTATTTCT GTTTTTCCC TTCTTTTTC CCCCTTCAAG CTTCAATCTA
59751 CCTTGAGTT CATTAACCTT TTCTTCAGAG TTTTTTATG TTAATTCTAG
59801 CCAGTGAATT CTTAAAATTC AATATAATAC TTTACAGTTC TAGATCCTT

59851 TGATTCTGTC TTATGGGTC CAGTTCTCCG TTGAGCTACT CTTTCTTTTC
59901 TTTGCCACAC AGATGATAGT AATTTGAAG TCCTCTGTCT GCTAATGCCA
59951 GTAGTGTAG TATCTCTAGG TCTACCTCAA CTGATGATTT TATCTCATGA
60001 TTACAGGTTA CCATTTTTG CTGTTCATGT TTAGACTTG TAGGAGATT
60051 TTTTTGGT TTCTCCCTCA GTTGTAAATGT ATAGGCCCTA TTCTAGGAT
60101 ATGATTCTTA CCCATAGGAC AAAGCCTTT TGTTGAGTCT GAATATCAC
60151 TAGTATGCTG CAATTCAATT CTGCCACTAA CCCCCCTGGAG TTAGCAGACA
60201 CCCTAAGGTTA AGGACTCAGT CCTCTATAAG ACTGCTCTCA CTTCAAACGC
60251 TAACCATAAGG TTCAGGGTTC CCCCAGTCA CCTGCATTTC TGACCTACTG
60301 ACTATAAATT CTTGACTATA AACACTGACC ATAATCCTT TCCATGACAC
60351 CCTTAGGTTT GATAATTCA AGAGTGACTC ACAGAACTCA GAAAAGTCT
60401 ATATTTTGA CTACCATT TTGTAAATG ACACAGATGA AGCCAAATGA
60451 AGAAATACAT AGAGCAAGGT CTGGGAGGGT CCTAAATGCA GAGCTTCAT
60501 GCCCACTTCC CATGAAATCA GGCTACATTG TTCTCTGGC ACATCAGTGT
60551 GTTCACCAAC CAGGAAACTC TTCTGAGCTT AGGTGTCAG GGCTTTATT
60601 GGGATTTAT TTTGTAGGTA TTATCACTT AATGATTGGC CGGGTAACCT
60651 TAATGATTGG CCATGTAATC CAGCTTCCCC TCTGTCTTA GTTAATTTC
60701 TGTTGCTATA AGGGAATACC TGAGACTGGT TAATTTATT ATTGTTTAA
60751 AAAAAGAGGT TTATTTGGG TCATGATTCC AGAGGCTCAG GTTGCCAAAT
60801 CTGATCATCT TCTGGTGAGG GTCTCATGCT TCATCATAAC ATGGGGGTGA
60851 GCTGAGTGCT TGCCAAAAGG GCATAATGCA GGACAGCCTC ACTTTATAGC
60901 AACTCGTTT TGTGGTAATT AATCCAGTCC CATGAAGGGG AGGACTCCA
60951 CATTCTAAAG AATTAACCCA GTCTGTAAG AGCAGTGTAA ATCCCTCTA
61001 ACAACCCAAT CACCTCTAA AGCCCCCATC TCCCAACACC ACCACACTGG
61051 GGACCAAATT TCTAACACAT GAATTCTGGG GGACACACTG AAACCATAGC
61101 ATTCACACC TGCCCCCAG AATTCATGT TCTCTCACA ATGCAAATA
61151 CAATTATTCC ATTCTAAATAG TCCCAAAGGT CTTAACTTGT TCCAGCACAA
61201 ACTCAAAAT CCAAAGTTT ACCTATGAGC AGCTTGTGGA ATCAAATGA
61251 GTTACTACT TCCAAGATAC AATGAATGGA CAGGTATAAG ATAGACATT
61301 CCCTCTAAAG AGAGAGAGAG AGAGACAGAC AGACAGGCA AAAGAAAGGA
61351 GTATCAGGCC CCAAGTAAGT CCAAAGCCCT ACAGGGAAACA ACATTAAGTT
61401 TTGAGGCTGC AGAATAATCT TCTTGACTC CATGTCAC ACTTCAGCTC
61451 TCCCAAGATG GTGTTGCATG CTGTAGCTCC ATGGTTCTGA AGTCTTTATG
61501 GTGATCCAT TCCCATGGCT CTACTAGGCA TTACTTAATG GGGGCTCT
61551 GCAGTGGCTC AATCCTCTG ACAAGTCTCT TCCGGGGCCC CCAGGGTGT
61601 CACAATATCC TTGAAATCT GGGGGGAGGA AGCCATGCC CCATATCT
61651 TGTATTCTTC ATGCCTGCAA AATTGATGCC ACTTGAATGT CACAAAGGTC
61701 AACTTGTACT TTCTAGAGCA GTGGCACTAG CTATACCTGA AGCTGTGGCT
61751 GGGTTGGCAG AGGAGTCTA CGCTGGAATG TGGGGAACAG AGACCTCAGG
61801 AGGCCTGGG AAGCAAGCCT GTGGAGGGTG CCTGGGGCTC ATTTCTGAA
61851 ACCATTCTGC TCTCCTATGC CTGTGGGTGT ATGATGCAAG GAGCAGCCTT
61901 GAAAGTCTCT GAAATACCTT CAAGATCTGT TTCTTATTGT CTTGCTTATC
61951 CCTTCTGTCT ATACTAATCT CCTTAACAAA AGATTGCTGG ACCACATCTT
62001 TGGTTCCCTC TCCTGAACAC ACTTTTCAC TCTTTTTTT TTTTTTTT
62051 TTTTTTTGTA GACAAAGTCT CGCTCTGTCA GCCAGGCTGG AGTGCAGTGG
62101 CATGATCTGA GCTCACTGCA ACCTCCGTCT CCTGGGCTCA AGCAATTCTC
62151 CTACCTCAGC CTCTCAAGTA GCTGGGATTA CAGGCACGTG CCACCACGGC
62201 CTGGCTAATT TTGTATTT TAGTAGAGAC GGGGTTTCAC CGTGTGGCCA
62251 GGCTGGCTC GAACCTCTGA CCTGAGGTAA TCCACCCACC TTGGCCTCCC
62301 AAAATGTTGG GATTACAGGC ATGAACCACT GCATCCAGCC ACTTTTCAC
62351 TCTTTATGTG GCCAGCCTGA GAATTTCCA GGTCTTCCA CTTTGCTACC
62401 CTTTTGATTA TGAGTTTCAT CTGTAAGTCA CTTTTCCCTC TCTCACTACT
62451 TAATGTAAGT GTTAAAGT AGCCATATAA TAGCCTGAAT ACTTTGCTGA
62501 CACTTAGATA TTCTCTAC CATATATCT AATTCAATTGC TCTTAAGTTC
62551 TACAGTCCAT AGAGCCCTAG GGCATGAAACA CAATGTAGCC AAGTTCTTA
62601 CAACTTTATA GTCTTACTC CAGTTCCAA TACCTTGTTC TTCAGTTCCA
62651 TTGAGACCT TGTCAGAGTG GCCTTACTG TCCACATATC TGTGAACATT
62701 CTGGTCATGA CCATTTAGAT AATCTCTGAG AAGTCTAGA CTATCCCTAG
62751 TTTCTCTTC TGCACTCTCA CCAGAATTAC CCTAAATCCT CCATTCACTGG
62801 CAATATAGGC TTTTCTAGC ATTCACTTT TTGGAACAAAT TTGGAACAA
62851 TTCACAAAT TGGTCCATTG TCTAGTTCCA AAAGCTGCTT CAACATTTC
62901 AGGTATTGT ATAGCAGTAG CCCCCACTTT TGTGCAATT TTCTCTTAGT
62951 CCATTTCTG TTACTATAAC TAAATACCTG ATAGTGGGTA ACGTATAAAG

63001 AAAAGAGGTT TGTTTGGCT CACAATTCTG GAGGTTGAGA AGTCCAAGAT
63051 CAGGCAGCCA CATCTGGGTG ACTTCTGGTG AGGGCTTCAT GCTGCATCAT
63101 GACATAATAT AGTAGGGAAG TGGGTGGGTG TGAAAAGGGG AAAACTCAGG
63151 GAGAAGCCTT GCTTTATAAT AACACACTCT TGTAACTAAT TCAGTCCTGT
63201 GAGAGCAAGG ACTCACTCAC TTCCTCGAGA ATTAATCCAG TCCTGCGAGA
63251 GTGGCATGAA TCCCTCTTAG TGACCTAATC GCCTCTTAAA GACTCTACCC
63301 CCAACACTGC CACACCAGGG ACCAGATCTC ACGCTGGAAT CTTGGGGAGC
63351 ACTCTCAAAC CATATATGGG AGCTCTTTT GTCCAGAAGT CAGGCTAGCT
63401 CTAAGACCTA ACCCTCTACT CACATGGTT ATATTTCTGG TGACCAGCCC
63451 CTGTCCTGAG CCATCTCATC TCTTAATGTA AACTCAGGTG TGATATAAGG
63501 GTGTGATATA AGGTGTGATA AATAATAAG ATACTCCTAT TACTCCAAGG
63551 ATTTTCTCCC TTTCAGAAAC CAGGGACAAA TACCAAGTCAA ATTCTTTATT
63601 ATACCACTGG GTCTCCACTG CCCAAAAGCT CAGAGTATT ACCAAGCTCT
63651 CTATACTTTG ACTGGGCCAG AATTCACCT ACTCAGTGCT ATACAACCTG
63701 TAAAATCTCT GTTGAGCTCT TAGCTCCCCA AATATTTCCA GGCCCCTGAA
63751 ATCTTGCTGC TGTTCCCTACA GCTTAGGATT TAGTCGGGA CCAAAGAGAA
63801 ACCCTATTCA GGCTTTGGG GCTCCTTTC TGTAAGTTGC TCTTATCCTG
63851 AGCTCAATT CAGTCTCAGA AATCTCAGAC TTTGACATCT TTTTCTCTG
63901 CCTAGTAAGA CTGCTGCTCT CTACTTGAGC TCCATTTCCC TGTGACAAGG
63951 TTTGGGCCGT GAACCCATTA AAAACTACCC TCAGGAAGAA AACGGGGGTG
64001 AGTGTGGTGC TCATCTCGTG TGTTTCTTT CTTCAAGAA TAGCAGCACA
64051 TGATGCCCTGC CTCCAGGGCC TAGAAAGAAT TGTTTACTG TTCTAGTCCA
64101 GCTGTACAGT GATTTTTAAG TCAAACAAAC GCTATTTTAT TGAAGCCAGA
64151 ACCATAAGTT GCCAATGTTT CCTCAGTATA GAACTTTATA CCATCAAATA
64201 TCTTGAATA AAATTTAAA ATGGAGACAT TTCTGAAAAA AAAATAAAAG
64251 ATTTTAAACA CACCTTCATT TGTGGCAATT TTAATGGATG TTTTCCAACA
64301 GGAAGAATGG AAAGTCTAAG ATATAAGAAG CAATAATGAG TAAAGAAAAGT
64351 GGCAATATTT GGTTAATAT TTGGGAATTA ATTTAATTAA AATTAATTAA
64401 TTAAAGTGG GAATATTTGT GTTAATCTAA GTTTAATTG CTTGAAATAA
64451 TAATGCTCA TAACTTTAAA AGTTGGCAG AAAATATGTG AAAATATAGC
64501 AGATCAGTCA AAAAAGGACA ACTTCAAATT TTTGACTGAA ATCCCTTGTA
64551 TAGTTGAGAA AAAGAAAAAA GATACTATA AACTTAATT TGATAAGTAT
64601 AGAGGGTAAA AATGTCTAAG GAAACCCTA ACAAAGCATA ACTTTCAAGT
64651 TTAGTAGTAG ACAATAAATG AAGTGAGAAA AATATTCAA AAAATCTAGGA
64701 AGAATCAAG GGAGAAAAATG AAAAATAGAA AAGGCAGAAA AAATAGAAAA
64751 TACAAAATAT TAGCTTTAAA TTCAAGTATA TTAGTAATTA CAATAAATGT
64801 AAACAAACCA AATGTTCCAA TTGAAAGATA ATAGTTATCA GAATAGAAAA
64851 AAAAGGCCA GCTATTTGAC AAACAAACAA ACATATCTAA AATACAAGGA
64901 TAAAGGCTGA AAATAAAAGA TGAAAACAA TATTCCAGAA AAATAGCAGA
64951 AAGAGCCTGG TATAGGTATA ATAAAGTGAAC ACACAATATA ATAGAGGCAT
65001 AAAGCATAAC TAGAGAGTAA GAGGACCACT AAGTAATAAT AGATTAATT
65051 CACCAGGAAG ATAATAACTA TTCCAAGTAT GTATTTACCG AGTAAGATCA
65101 GATTAACATG TAAAGTAAAA ATTGACAGAC TTATAAGGAG AAATAGATAA
65151 GCTCATGATC ACAATGGGAG CTATTACATA ATCTTAAATA ATTCCATTAG
65201 AAGAGAAGAA AGAGGCTAGG CATGGTGGCT CATGCCGTGA ATCCCAACTC
65251 TTTGGGAGGC TGAGGTGGG TGATTGCTTG AGGCCAGGAG TTGGAGACAA
65301 GCCTGAGCAA CACAGTGGGA CCCTGTCCTC ACAAAAAGAT AAAAAAATTA
65351 ACCAGGCATG ATAGCACACA CCTGAAGTCC CAGCTACTCA GGAGGCTGAG
65401 GTGGGAGGAT CACTTGAGCC AAGGAGTTG AAGCTGCAGT GAGCTCTGAT
65451 GGCACCACTG CACTCCAGCC TGGTGGCAGA GCAAGGAAAA GAAAAAATAA
65501 GACAGGACCA AAGTTGATGA GTTAAACATC TCCACCTCAC AATGTTAGGA
65551 AAAGAGTAGC AGAGTAAACC CAAATAAAGT TGAAGGAAGG AAGTAATAAA
65601 GAACAATAAT AAAAAGGAAT GGATAAAATT GAAAAAAAGAA AAGTACAACA
65651 GAAAGGTTCA ACAAAGCCAA AGGCTGATTT TTGAAAGAAC CAATAAATCT
65701 AACAAAACCA TGTCAAGAGT AATAAAGGAA AGAGGAGAGA GGGAGGAGGA
65751 GGGATAAAT ACACATATCA GAAATGAAAAA GAAGATGTAA TAATTTAAAGC
65801 TGCAGAACATC AAAACAATAA TAGAATCTTA TTTCACCAAT ATATTTGAAA
65851 GCTCTGCTGG TCAAATTTC TGAAAAAAAATTTGTCCAA ACTCACTTC
65901 GTAGAAATAA AAAACCTAAT CAGTCTTAGC ATCATTCAAG AAATATAATC
65951 AGATTTCTAA CTGGAAATCT TCCCACAAAG AATATGTCAG ATCCAGATAT
66001 TTTTACCAAGTG GGTACTAACAA AATTTCCAA CAACAACAAAT TTTCATCTCA
66051 TATGAACATAC TCCAGAACATC AGAAAAAGTG GGTATATTGA TGAGAATAAC
66101 ATAAACTTGA CACCAAAACC TGTTTAAATGAGTTTAA ATGCCAGTT

66151 GTACATAAAT ACAAAAGTCC TAAGCAAAAA TTAGCAAAC ATATTTAGCA
66201 GTCTATTAAT AAAAGATAAA CCATAACAAT TTGGATTAT CTCAAACTAT
66251 ATTTGTTGC CACTAGAAGT CTCTTGATGT ATTCACCCAC AGAACAAATT
66301 TAAGTGGATA AGTCATATAA TCATCTCAAT AGATATAAGA AAAGTATTT
66351 AAAAATCTAA TATCCATTCA TTTATTAGTG TAAGAAAAAA TTCTTACACT
66401 AGGAGAACCA AATAGAAGGG AACTCTTTA ACTTCAAACA CCATTTTTT
66451 TAAACCAGTA GCAAATAATA AATGTATTTA GTATATAATG CGAGCAAGGT
66501 TTTTCACTGT TAGGAAAGGG TTTTACAGAT ATGGAAGGTG GGAAGTCTAG
66551 AATGGTACAT TTGTTTCAG ATGGGAGTTG GAAGTATCAG TTAAGTATTG
66601 CTTGAAGTTA AGAGTGTGTG TGTGTGTGT TGTGTGTCTG TAACATTCTC
66651 TAGCTCTGTG TGCTGAGAAG GCACAGAACG AGTGTACTC CAGTAGCAAT
66701 GTACACCCCT AGCAGGCCAGG TTTTCCACTG AAGGGAACTA AGCTTCCTG
66751 AGAAGTGGGG AAATGGGAGCA GAAAAGTAT ACAATGAATC TGGAAGGTTA
66801 TTTGGTGTCA GAAAATAAA GCAGCGCTCA AACATCATG GGGACTTGTG
66851 AAAACGATAC AATAGTCAAC TTAAAGGACT CATGCTGGCC ACATCTGGAC
66901 AATTTGAGCT TAAAAAAGAA AAAAACATGT TAATGGATT GTGGCATATT
66951 GTATTTCA AAGCTAGCCA CAACAGTATC TTCCATTTCAT ATTCTTC
67001 TTACAATGTG TCTTGTACCC TCCTCTGTT GAGAGGCAGG GTCTATGTCC
67051 CCTCGTCTTG AACCTGGGG A CTTTGTGGA AGTGTGTCTG TAGGACTTCG
67101 AGGCCAATC GTAGATGACA GGGTAGCTTC CACCATGCTG GCTGGAACAC
67151 TCATGCTGGA GCCTAAGCCA CCATGTCAC TGTCTAACTG TCCTGAGGTC
67201 CCTGTGAAA CTAGTCCATG TGGAAGAAC ACATGGAAAG AGCCTGAGAC
67251 AGCCTGAAA GAGAAGAATG CCACATCAGC CCCAACAGC TTCAGCTACC
67301 ATCTGACAAC AACTGTGTGA GAGGCTCTG AGCTGAATCC ACCTGGCTGA
67351 ACCCTCCCCA GATATCTGAC CTACAGAAAT ATCGAGAAAT AATGCAACGC
67401 TTGTGTTGT TTAAGTCAC TACGTTTGT GGCAATTCTT TGCAAGCAA
67451 TAGGTAAATCA TAATAGATTG GGGACAAAAA TATGAGATGA CACCATGACA
67501 AAACCTCAAA ACACCTGACT TTGGTTTGG TGGCAGGAGG CATTGAGACT
67551 GCTGGTGAAGA GCTTGCAGGG GCTGTGAGAG CGGGCTGGCA GAGTCCTGAG
67601 GAGGCTCTCA GTGGGCACCT AAAGTCACAG GAGGAAATG TTCCAAGAAC
67651 TTGGATGGAA GAACCTGGA TGTGGGGTAG TGGGTGGTT AATAATATTG
67701 TCACCTCTGG TAATGCAGTA AGATAGGAAA TATGCTAAAT AAACCTGATG
67751 ATTCCACTAA AGAGGCTATC AGACAGAACT TAGAAAGTAC CACCAAGATTA
67801 GTTTTTTGT TTGTTTTTTT CTTTCTTTT TTTTTTTTT TTTTGCCTAT
67851 GTAAACAT GAGAGGGAGA GGTGAGCTGG AGGACAAACT GTAAATATA
67901 AAGGAGCCAA GACTCACCG GCTTGAAAGT CAAACTTGTG CCATTCCAG
67951 CCTCTCAAAG GTGGTGAAGA GTTGTCAAAT TAAGAAAAGA TTTCAGGTCA
68001 AAAAGAAAAT CCATGAGGGG TACCTATAAG GTTCTTGTG AAAAACCTCA
68051 GAAATATTCA AGGTATCATA GACTCTCCA TCCAGGAAAA AAAGGAGGAC
68101 TTTTACAGAT CTTAAGGTGT GCCTTGTGTC TGAACAACAG GGCTTCTAGC
68151 ATCTTAAGAG CATTGTCCCA TAGGGAGCCC AGGAAATGGT AGGGTTTATC
68201 TTGAAGAGAT TTGTGAGTTT GGCTTTCTT GGAAAAAGTA TGTATTAGGG
68251 TTCTCTGCAG AACACAGAATC AACAGAGAGA GAGAGAGAAT GAATGAGTGC
68301 GTGTGTGTGT GTGTGTGTAT GTGTGTGTGTT AAAAATGTGT TTATTTAAG
68351 GAATTATCTC TTGCAATTGT GGAGGCTTGG CAAATCCAGA ATCTGTGG
68401 GTAAGCTGGC AGGCTGGAGA CCCAGGGAAAG GTTGCAGTT TGAATCTAAA
68451 GGCCATGTCT GCTAGCAGAA TTCTCTTG CTTGGGGAG GTCCATTTT
68501 GTTCTATTAA GGCTTCAAC TGATTGGATG AGACTCACCC ACACATGGAA
68551 AGATAATCTG CTTACTCAA AGTGTGCTA TTAAAATGTT TACCTCATCA
68601 AAGAAAAAAA AAAAACCTTC ACAGAAACAT CCAGTAAAT GTTGATGAA
68651 ATATTGGGC TCTATGACCC AGCCAAGATG ACACACTAAT CACCACAGAG
68701 TACATTGTAA ACTGATACAC TAAAAGAATG CAAGTTGTT TTTTCAAAAA
68751 TTATACAAGC TTAAACTGTG AGTGTAGAG ACAGTGCAA ATGAAGAGGT
68801 CCCTGAATGT CCTAACTTCT ACAAGAAGGA AGCAGGCTGA GAAAACACT
68851 TAACATGGGT TACTTTGTAT GGAAAGGAAG AAAGACTCAA AAGGGTGGAG
68901 CCAAGAGCCC TGGAGAATTA TTCTGGAGT CGACCGGAGC CCTAATCAAG
68951 GGACTAGAAA CAAGTACTGG CTAATGCA GAACTGCTAT GCATCAGCAC
69001 CTGATTGTGC CTCACATTTC CTCCCTTTT AAATGAAAT ATCTGTAGAA
69051 GTTGTCTGT GCCCCCCAAC TGTATGCA GGGCTGTGG AGTGTAGTGT
69101 TACAGGTCTT CAGATTCAAGA GGAATGGGTG GCGAGGAGCT GAATCCTAGG
69151 AACCTCACCT GAGAAGTCTT GTCTGAACCT GGACCTGATT TAGATAACAG
69201 ATAACCTGTAT TTGATCCTG GATTTGTGC TGTCACCA ATAGATTGG
69251 GGATATTAGA GAGAGGATTA TTGCATATGG GAGGGATGTG AATTGTGGCC

FIGURE 3, page 22 of 188

69301 AGAGGGTGGGA TCATAGCAGA TTGATTTC CAAAGATGGCA GCAGCAATAT
69351 CTCTCATCAC GCATATCCTT ATAACATGAA TTTGACCTTT CTTCCATGTA
69401 GAGATGGGAT CTATTCCTT TCTTGAATCT GGGCAGGTTG TAACTGTGGC
69451 AGATGTGATT CTATATGACT TCTAAAGCTT TGTCATACAA ATGACAATC
69501 ATCACCTTGC TGGCTAGATG GCTCACCGTG GATCCCCAAA CCACCATATA
69551 AACAGTCCCC TGAGGTTACC ATCTTGAA GGAGCCTAACAG TGAGCCAACA
69601 TGTAGAGACC ACCTGGAGAT GCTCTGAGGC CACACGAAGA GAAAGAGAGA
69651 CGCTCAACAA GCCCCCAGCT GGCTAGCCCC CCGCTCTCCC AGCTCTGGCT
69701 GTTGCTGAC TCTAACACCA TGAGGGACCC AGAGCCAGAA TCACCTAGCT
69751 GAGTCCATCC CAAATTCCCA ACCCACAGAA ATCATGAAAG ATAATAAAAT
69801 AAGTGTGTG TCAAACCTCC AGGCTTTGA ATGGTTACAC AACAAACAT
69851 AACTGGAAAA TAATTATAAC ACACTGAATA AAATAGGAGT GCATGAGTCC
69901 CTACATACAT AAATGAATAA ATAAGTAGAT GGACATAAAG GAAAGCTTT
69951 CCTGGTAGAA TGCCAGATAA GAAATATAGA AGGAAAGATG GAGTTAAAAA
70001 AAAAAAGTCT CAGCAGATAAC GGAAACCAA CAGTCAAAGT TTGATGAGGA
70051 ACAGAATATT TACATATTCT GCAAGTGTGTT CTCCACACAT TACTTTTAA
70101 TTACAAAAGG TGGATATAAC CTTAACCAAG CAATTAAAGC TAGCATCACC
70151 AATATTGGGA TGAATCAACA TCATATGCCT CTTGATGTGA TATACTAAGA
70201 AGGACAAAGT GTCAATTCTT TGGTATTCCCT GTGAAAATT TATAACTTGA
70251 ATCTTAGGAG GAAACATCAA ACAAATCCAT GTTGAGGGAC ATTCTACAAA
70301 ATAACCTGCC TGTACCCCTTC AAAAATATTA AGGTCAAGAG ACAGAAAGGC
70351 TGAGGAACTG TTCCAGATAA AATGAGACTA AAGAGACATA ACAACTAAAT
70401 GCAACTGTG ATCCTGGGTT CGAACCTGGA CTAGGAAAAA AAAATAGATA
70451 TAAAGACATT ATTGGGATAA TTGACAAAAA TTGAATATGG ACTGTGGATT
70501 AGGTAAAAGC ATCATAACAA TGCTGATTTC TACAGTTATA CTGTAGGAGG
70551 CTGTGTTGAC CTCAGGAAAT ATACGCTTTA GGATTAAAGG CACATGGGC
70601 TTTAGCTTGT TCTCAAATGG TTCCCCCAA AATACATGTA TGTACTGTGT
70651 TTATATATGT ATAAATATAT ACATGTATGC CTATATATT ATATATATAT
70701 GTGTGTACAT ATAGATACAC ACACACTATA TATGTGTGTG TCTCTGTGT
70751 TGTGTGTGTG TGTGTATATA TATATATATG TGAGAGAGAA ATGATAAGCA
70801 AATGGGGCAA AATGCTAAAT CTGAGATAAA GTATAGGAGA TCCTTATACT
70851 ATTCTGCTA TTTTCTGTG AGTTGAAAT GATATCAAAA TAAACATGAG
70901 CAGGATGAGA GCACCTGCTA TCTCACTCT ATTAAATATT GCACTGGAGG
70951 TCCTAGCTAG TCGACTAAGG CAAGAGAAAG AAATAACAA TATGAAAATT
71001 TGAAAGAGG AAACAAACACT GTGATTATTC ACAATGATA TGGTTGTGTA
71051 GAAAAGCCAA ATGCTCTGTG AATACATAC TAGGATAACT AATATCTTT
71101 AATAAGGTTG TAAATACAA AATCAACATG CAAAATGTAA TTGCTTATCT
71151 GTATAACAGT AAACAAAGAGA AAATGTAATT TAAATATTGAT ACCACTACTG
71201 GCATCAAAA TATAAGCAA GAATGAATAT AACTAAATG TGTAAGGTCC
71251 TCATGGAGAA AAAATTATGA AACTTTGTG AAGGGCTAA TTAATTAATA
71301 AGAAGGTAG TATTGTAAAG GAGTTTATT CCCCCAAAAA TGAACAGTGT
71351 ATTAACCTGT TATAGAAAATG ATATGAATGA GTGTGTGTAA TTTGACAAGC
71401 AGGTCTATA ATTATGTGG AAACCAAAGG ACCAGAAATA ATGATGGCA
71451 CCCCTAAAGAA ATAGCACAAG AACTGCTGG TGAGAGCAGA AGCTTGTGCA
71501 ACTCTTTGG GAAACAGTTT GGCTTATTT AATACAGCTG AAAATGCCGT
71551 ACTCTAGGAA CCAGACACCC CACTCCCAGG AGCAACCTCT CATAGAATCT
71601 TTTCCATATT TGCACGGGA GACATGAACA AGAAAGTTCT AGCACCTCTG
71651 TTCATAATT TAAATTATAA ACAATTCTAA GATCTAGCAA CAGAGGAATG
71701 TATAAATTCT AAATTGTGAT ATAGTCTACA GTGATAAAGA ATATAGCAAT
71751 TATCCTATAA TAATATATAG AATATAAAGA GATAGATCTG GAATACTATA
71801 CCCAGAGTGA AAATGAATGA ATTACAGTTA CATGTAATAA AATTGATGAG
71851 TCTCAGGCAC ATAATATTG GCAAAAGAA GCAATGACAA AAACAAGTAA
71901 AATTATTATA CATAAAATTAT ACATGGATAA TCACTGTATT GTTATTTTAT
71951 ATGCCACATA TACTTTATAA CTACTTGCT TCTATTCTATA AGTTAATT
72001 AAATAATTAA AAGAAATT TAAATATTAA TTATGGCATT GATTATAATA
72051 ATAAAGTACC TTAAATGTC CCCCCAAAGT AATTGACTGA AATAATGACA
72101 ATACAATCAT GCCATAGCAT ACTAAACAA TATTAAAAC AATGTTACAC
72151 CTTTACAAAT ATTGTGTGAA AATAGAAAGT TGTCACAAT ATGCTGTAA
72201 GGGAGGAGGA AAGCAAGTTC TAAATAGA ATGTAAGTGTGTT GGTGTTCCAGT
72251 TTCTAATCTG AATAAATAAA TAAATGAGAT AAATATGGAA GAATATAGAC
72301 TAAAAATTGA GTTTATTTC TGACTAGTC GTTGAATAA TTTTCTTTC
72351 CTTCGTGTGTT ATCTGTATT TCTAATATT TCCCACAAATA AACAGATACT
72401 ACTTTATAA TGGGGTAAA ATCTGATGCT AACCAAGAGAC CAGTGCATGC

72451 CTTCCGTCA TGTGCTCAGT TCATTCATTTC ATTCACTTGC TTATTACCCA
72501 TTCCGTGTGT ATTTGCAGAG GATCTACTGT GTGTGAGAGG CCCTCTGTT
72551 GGTGATAGCG AAAGAAAGAT GAACAAGGCA TTGTCCTAC TCTGGAGCAG
72601 TTCAGTCTCT CAGTCTCTGT GTAAATAATA ACCTAGTGCC ATATGACTA
72651 TTATGACACA AAACAACGAC ACTCATTAGT ATGAGAATGT TTACTTCCTC
72701 TTCACCTCCT TCAGTCCACC AAAGAAAATC CCATAATTTC TAACCCAATT
72751 TCTATCCCCC TTGTCCTAAT CTACTTGGAC TGCTATAACA AAATGTCATA
72801 GACTGGGTGG CTTAAGCAAC AGACATTGT TCTCTGCCGA GAACAGCTCG
72851 GTGGGGAGA CCCTAACCTA CGAGCCTAG AAGAATTAAA GACACACACA
72901 CAGAAATATA GAGGTGTGAA GTGGGAAATC AGGGGTCTCA CAGCCTTCAG
72951 AGCTGAGAGC CCTGAACAGA GATTTACCCA CGTATTATT AACAGCAAAC
73001 CAGTCATTAG CATGGTTCT ATAGATGTT AATTAACCAA AAGTATCCCT
73051 TAAGGGAAAC GAAGGGACGG GCAGAAATTAA TTGCAGCAGG AACATGCCCT
73101 TAAGACACAG ATGGCTCAGG CTTTTGTTTG TGGCTTAAGA ATGCCTTAA
73151 GCGGTTTCC GCCCTGGCG GGCCAGGTGT TCCTTGCCT CATTCCCTTA
73201 AACCCACAAAC CTTCCAGCTT GGGCGTTATG GCCATTATGG ACATGTTACA
73251 TTGCTGCAGA GATTTTTTA ATGGCCAGTT TTGGGGCCAG TTTATGGCCA
73301 GATTTGGGG GGCTTGCTCC CAACAGTTCT CACAGTTTG AAGGCTGCAA
73351 AGTCCAAGAT CAGGATGCTG ACCAGCTTGA TTTCTGGTGA GGGTGCCTCA
73401 CCTGGCTTGT AGATAGCTGT CTGCTTGCTC TGTCTTCACA TGGTAGAGAG
73451 AGGGAGAGAG TTCTCTGTGC CTCTTCTTAT GAGGCCAACC ATCCTGTCAG
73501 ATAACCCCCC TCCTTACGAC CACAGTTAAC CTTAATTACC TTCTTGAAAG
73551 TCTTAATGCC AAATATAGTC ACATTGGGA TTAGAATTTC AACATACGAA
73601 TTTTAGGCAGG GGCACAATTG AGTTCATAGC ACCCCTTTT CTTCTTTTC
73651 TCATTAAGAG GCAGGTTGGC TCACATATTA AAAGGATGAA AAGGAGGTTG
73701 CATGGAAAAA AGGAAGGGAG TTGCAGAGA GCTGGGAGTG AAGAGATTAA
73751 GACAATTTC GGAGAGATGC TGGGGACAGC TGGGGATGTG ATGCTGGGA
73801 CAGCTGGCG TGTGAGGGAA CTGGGGGAGA AAAGAAGGGA TGTTATCAA
73851 TGTCTCCATG AATTAGGTAT TTGTATCCTA GTAACCATT TTGAAAAAAG
73901 CAAGGAAAGA ATTGTGTTG TTAAAATTAT TTTGACCTT GGGGCTATGT
73951 TCCTTCAACC ACATTATTCT TCTGAGGCTG GACCTTATGA GTTCTGAATT
74001 TAATGGTTCC ACAATAATAG TCATCATGGG CACATGGAGG GCAGAGCTAT
74051 CTGAAACTTC ATCACTAGGC ATAAAAGTAA CAGGAATAGT GTGAAGAAAT
74101 ACATCAGAAAT ATAAGGAATT CATTACTGTA GTAAATGTA TTAGAAAAGA
74151 TCCACCTTTT ATCCTGGAAC TCAGTTGCC CCGTGCCTGG ACTTGTCCC
74201 GAGTTAGAAC CAAATTCTAG AAGGCAGAGA AGGGCTCGAC TCACTGGAAA
74251 ACAGCAGAGG GAATTCTTA CTGACCTTTT CTAAACTCA AGTGACAGAA
74301 AAATAATGTG CATCTGATAG TTTAGGATGA TTGTTAGCT TAAACATGGA
74351 GTCTCCACTA TTTCATAGGA GACTCAATT ACTTATTG TGTTTTTT
74401 TTACAATCG GTTTTTTTA ATACAACCAG TTATTTTCC AGGTGATGGG
74451 TTCTTGACT TCCTTGAGTC CAGAACTATA AGCCAATAAC TTTCTGTTA
74501 TTATAAATTAA GTCTCAGATA ATTCTGTTAT AGTAGCACAA AACAGATGAA
74551 GACAAGTAGG TGCTGCAGGA GAATGTAGG CCCAATGTAC AGTATTAGGC
74601 CTGAGGTTTC AGGAGGAGAT GTAGATGAGG AGCACTGCAG GAGGAGCACT
74651 GCAGCAGGAG CAAGGACTCG GGGGACCCAG AGCTGTGGGA GCACCTGGAG
74701 AGAGAAGTTG GGGCAGGAAA GGGTGTAGGG GCAGGATGAA GACTCCTCAG
74751 GGGCACTTAG ATCCACCAACC CACTCTTCT TATTGAGGCT CACAGTCCAT
74801 CTGCTCTGGG GTGGGCACTC AGGGTGAETC ATTTCCAATG TGGGATGAGG
74851 TTGCTGATGA AGCGAATGTT TGTCCTGCTC CTCACTAGGT TTTGCTGAAG
74901 GTCTGCTCTG CCAAAGCAG GGTGGAGATA ACTGTGAACA TGGAGAGCCT
74951 GGCTTAGTTT TCCTATTGCT GCTGTAACAA ATTACCAACGG ACTGGGTGGC
75001 TTAAGTATAA ACTTACTGGC CAGGCATGGT GGCTCACGCC TGTAATCCC
75051 GCACTTTGGG AGGCTGAGGT GGGCGGATTG CTTGAGGCCA GGAGTTCAAG
75101 ACCAGCCTGG CCAACATGGC AAAACCTGC CTCTACTAAA AATACAAAAA
75151 AATAGCTGGG CATGTTGCTA CAAGCCTGTA GTCTAGCTA CTTAGAAGGC
75201 TGAGATGGGA GAATCACCTG ATTCCAGGGA GTTGTAGGCT ATAGTGAGCA
75251 GAGATCACAT CACTTACTC CAGCCCGGAC AGCAGAGGGGA GGCCCTGCT
75301 CAAACAAAGCA AACAAACAAA ACCCAACAAA TACCCAGAAA CTTATTATCT
75351 CACTCTGGG AGCTGAGAATG TGAGATCAGT TTCACTAAGC TAAAATCTAC
75401 ATCATGTTAGA TTGTTGAAAGC TACATGTA CCATGAGGAT TATTTTGTT
75451 AGCTCTAATT CCATGATAAA GCCCACAAGT CCCCTCTGTT TCTTGATCAA
75501 ACTCGTAGAA TCCACGAAGT GCTGTTGTT GCTGAGCAGG AATCCCTGGA
75551 ACTGTGCCCT AGAAGTTCA CAGCTGAGAC AGGGTCTCTG GGGTTCATTT

75601 CTGGTTGGAT GCTTGGGGT TGGAGATCAC CTGCCCTGGC TGTGTTTGT
75651 CCTCTGAATG GTTTTCTCC AGGTACTCCC TTGACCAAAG GGGAGACTCC
75701 AGGGCCCTTG ACCAAAGGGG AGACTCAGGA TTGGTACTCT AGGACTCTGG
75751 CTGGCCAGGC CATCTGTGAC CGGCCTTCT GAGCCAGGAT GGCCACAGGT
75801 GACATTGCCCT CTAATGATGT TGTTAAAGGA GGCTCTGACC TTGGTTATCA
75851 GAGCAAATCC AGCGTATGTT TACCGTGCCTA TGACATTT TGTCCTGTTG
75901 TGTCAGAGA ATCAGAACGTC CTTATGGGGT AGATAAGGCC TGTTCTGAC
75951 GCCCAGAGTC CTGTTTATGA TGCGCTCATG AGAGGGGCCT CTGTTCTGTC
76001 TAGCAGGGTC TTCCCTGGGA GCTCTTAAGT AACAGTGTC CTGGGTTAAC
76051 CGGAATACCT CCCTCCCTGG CCTGTTCTA CAATAGAGGC TTTGCCTGTTG
76101 GCCTACACAA CCAAAAAGGA AGCTGTTCT ATTCCAATC AGATCTGGAG
76151 ATGATATTGA ACATAATTCT CTATGTTAGG AATGTAGAAA ATACACAGCA
76201 TGGAGGGGAT AATGTGGGGC ATTTGTTGGT GACTGTAGAT TCCTGGAAGT
76251 TATTTATAAT AGTTGGCCTA TGGGGCTGCC AACAAAGTGCA GAGGCAGTT
76301 TTCTTCTAC ATGCTCTAA GGAGAACTA TTTCTTGCA CTTTCTAGTT
76351 TCTGGAGGCT ACCTGCCTTC TTGGCTGTG GCCCCACATC ACTCTGACGT
76401 CTACTGTCT ACTTCTGTCA TCATGCTCC TTCTCCGACT GTGACCCCTC
76451 TGCCTCTCTT TTAGAAGGAC CTGTGATTGT ATTGAGCCCT CCTGGATCTT
76501 GCAGGATAAT TTTCCATCC AAGATCCTA CCTCACTCAC TTCTGTAAG
76551 TCCGTTTGC AGTGTAAAGAG AACATATGTA TAGGTACCAAG GCCTAGGATG
76601 TGGATATCTG TGGGGCCGT ATTCCATCTA TTGTGAGGCA TGCCCTGTT
76651 CATCCCTGAC CTGGAGTGTAA CTTGGTTTTC CTTCCCACAG TAAAGGCATG
76701 CAGATTATTG AAGGGTTGTG CCCTACGGGG ATGGATGCCA GGAATGAGCT
76751 CACTGGAATG CTTTCAGTAT GGTTCCCTTG AGAATATGAC TGTGAGCGAG
76801 GAGTCTGATG ATTCAGGCC TATCACCAAA CCTGTGGTGC TGTAAACTAA
76851 AGCTTGACTG GCAATTGGAG AAGGATCATC TTTCCCTTC TACTTCTCA
76901 TTTCACACTG ATTATTGCA AGTTGTAGCT CACAGTCTA GCAAATGAAA
76951 CAATTGTTG CTCACTCCAT CGCTGTTCAT TCCCCAGAGC TGAGAGGCCT
77001 GCTTAGAAAA ATGTTCTTT AGGGAAACAAA TGCACTGTGG AGGGGCTTGG
77051 CTGCTGCCAG TGTGGAGGGAA TCCACACTCC ACACTCAGCT CTGGCCCTCA
77101 GTCTTCCAG GGGATATTCC ACGGCAGAAG TAGGACGCTT AAGGGCTCAT
77151 GAGTCATGGG TAAGAATAAT CCTGAAACTC ATGATGTGGG TCCCTCTCTG
77201 ACAAGGTGAC CACAGAGATT AGGGCCAAAG TCAGGGCCCC AGACATCTCA
77251 CTTCCCTCCCC TTTCATGCC CACTCATACC ACTGGGGGAC GGGGTCAGCA
77301 CATTCTTCCA AAGAGGTGCC TTGTAACAAT TGCTTAAAG GAACATGTG
77351 ACAAGAAGGT TGCTAAGATT TCGATGGAAA GATGTTGAAA GAAACCGTGT
77401 GAAGAGAGCA TCCCCTCAAT GTCAGGCCAG TGAGACACAA GGAGGGTCA
77451 GTCCGTGTG CTGAGCCCCAT CCTTTCTGC ATTGCTCTC CCGGCAAAGA
77501 AGAATATCGG CCTATCCAG GGGCAGCCT CATCTCAGT CCCACCTTCT
77551 AGATGTGAGT CTGGCCCATG TCCAGTCTGG GCACAGCCTA CTGTGGTCCA
77601 GGCTTGCAGCA GCATTTGGCA CTGGGGCAAG ATCCCATATC AGAGTCTGT
77651 GGTGTTAGAG GGAAAGACCA CGGAGAGCCC ACTCAGGGCC TGTGAGTC
77701 TGAGTCTCTG GCCCAGCTCA GCCTGCCAGG TCTCTGCACT GGGGTGTGGG
77751 GCCTGGGTAT AGCCCTAGT TAGGGTTTC TTGGCCCTCC TCTGTCAATG
77801 TGCTTGTGTT ATCTGGGGC TCCATGGTGA AGGGTCCCTG TTGTGGGGC
77851 AGGGTCCCTG GCCATAGGTC CACCTAAAG TGGCACAGGC ACACAGCAAT
77901 TTCTAGCTGG AGGAGATGAG GTTCTCTTC TAGCTAAACT CATATGTCT
77951 CCAGGACACA TGCAAGATAT TATGCTGTG TCTTATCTTC TTCCCTCACCA
78001 CAATCTCCTT GAAGGCAGAA ACTAGATTT CTTCATTTAA GCTTATTAC
78051 TTGTCTTGT CTCAAGGCA CCTAGGCTAG TGTTGAGCAC ACAATGCATG
78101 TCACGTGACT GAGGATTACA CGTGGCCCT GAGAACTGCT CCATTGTGAA
78151 TGCCCTGAG CAGGCAGCGA AGGTGCTGAG GTGGGCACCT GGAGTCCAGC
78201 AAGGTGTTTT TAACCTGCTG TAACCTGAA TTCCAGCATG AGTGGGGAGG
78251 CATTCTGCG GCTCTAACG GTGCTATCCA GGGCCGCAGT GCTCTGGCT
78301 CATGCTGCAG CTTCAGAAGA TGCTGATTG CTAGTTTCC CTGAACGT
78351 TTTCTCTC TCTGAGATCA GTGATTCCA CGCTCGTTT TACAGCACCC
78401 CAGGGTGTCT CCAGCTGTCT CAAGGGCTGG CACAGAACGTC TCAAAACCAT
78451 TTGCTTCAAA CAAAAAAACAA ATACACAGAA TACAGCAGTT TTAGCTGAAT
78501 TTGGAGGCAG GAAAGAAAAA AAGTCTAACAA AAATCCAAAC AAGCAAATG
78551 GGTGTACAC TCCAAAAGC TGGACTCGCT GCCTTAGAAA AGAGAAATGG
78601 TTACACAAAG TCACGTCTC ATGTAATGGT TTGGATCCGT TTGCTGAGGA
78651 CTGCTGCACAA ATCCAATCA GACAGGACGC TTAAAAAAAC AAAACCCGA
78701 AACATTATGCTTTATTT TCCTTCTCCA TAGAAAATAA ATATTACACA

78751 GATGAATAGC AATATAACAA AAACCATTCA ACAGAGTTCT GAACCAGCAA
78801 CTCTGAAGGG TGAGTCTTC ACGAAGCAGA ACTTTACCAT TTGCTGAGCC
78851 TCTGTTAGG AGAGGGTTTA GAACCAGAAA TGCCCTGTCT GGGTTGGGGA
78901 TCTTTAGCT CCTTGATCAG GCACCAGGGA GGCACTGTTG TCTAATTATC
78951 CTCATCTATA AAATGGAGAT GATAATAATC ATACCTCATA AAGTTAGGAG
79001 AATTCAATAA ATTAAAATTG ATGAAAATCT TAAAACAGAG GTTGGTGCAT
79051 AGTAAGCATT ATGTCAGTGT GTGCTCAAGA AAGCATTGGG AGCCTGCAAT
79101 GTACCAGGCC TGGTGCTAGC TTGGTAGGTT CCTGGGCTGA CTGTTGTGT
79151 CTGGGTTGGT TTTGTCATCA TAGGAAAGAC AGAGAAGGGAG ACACCTGAAT
79201 AAAATACCTT GTGATGAATG CTAGTCCCC ACAGAGTCAT GTGAGGATTC
79251 TTAATTAAAA CATGGATTCT GGTGCTGGCA TTTGTTGTTA ATATTTGGG
79301 CAAGTCATTT ATCTTTCTG AGCCTTGGG TATTACAGG GAATGCTAGG
79351 TTCCAATAAC AAATAGTCTC CATGATTCA GTGGCTTCAC ACAATGGACA
79401 TTTACTCTT GCTCCAGGAA CAATTCTGAG CAGGTGTTCA GATTGTCAAG
79451 GCAGCTGTCT TCCACATGGC CATTCTGGGA TCCAGGCTGA CAATGGCTTC
79501 CAAGATTACC CTGGGGATCA GCATCCCAGG CAGCCGGAGC AAGAGCATGG
79551 AGGCTCCCCC ATGCCCTGTGG GACGTTCTCA TGGGCCAGAC CTGGAGGTGG
79601 CACTGCTCAC TGCCATGCAC ATTCTCATGG AGGAGACTTA ATCACATGGC
79651 CACATCTAAT GGCAAGAGAG GCTGGAGATA GCGAACAGCT CTGTGTCCAA
79701 ACAAGAACAG GTTTTACTAG ACATCTCAAT TTGTTTATTT CTAAAATATG
79751 AGGTGGTATC CCTGCCATGC TGACTTACAC GGGTTGTTGG GGGAACCATG
79801 CACTATAATG GATATCAAGT CACCTGGGAT GGAAGGAGCT GTGTGGACAA
79851 GGGAGTTGTT GGCTGGGAAC AGTGGCCTTG GCCTGCAGAA GAGTGGGCA
79901 GGGGTTCTGC TGGTGTCTCA GCAGCACAAC TCAATTCAA AAGTGTTCAC
79951 AGAGGAGCGT GCCAGGCTCT GCCCTGGGTG CTAGGGATGT AGTCATCCCA
80001 TGACAAGCTC AGGGAGGAGG AATCACAGTT CAGCGTGACA TGTAGCATGA
80051 GAGCTTCAT GTGGTGTGCA ATCCAGACGC GGTGGTCAGG ACATCCTTCC
80101 CAAGGACAGG GCATCTAAC AGAGAACAGA AGGAGATGGC CCAGTGGGCG
80151 AGGGTGGGGC AGGGGCCAGG TGGAGGGAGG GTGTTAAAG CAGAGAAAAT
80201 TCCATGAGAG CAAGAGAGCA TGGCTTGAGT TAGGAACAAA AACTCAATAT
80251 GAGCAGATGT TAAATGGAGG AGAAGAAGCC AAGAGTTACC AGAAAGGTTG
80301 GCAGAGCTTG TAGGCCATAG TGAGGCCCTAA TGGGCAGCTC ACCTTTCTGT
80351 GGGAAATCCC CCCTTGTAA AAGGTGACTT ATTCTTCTAGA GCCATAATAG
80401 TGTGCTTTG AAATTGTTAC GGAAACAGCA AGAGGGGACA TGGCATTTTA
80451 CCTGCAACCA CATTCCACCT GTTCCACTGT GTACACCTGA ACCAAATCCC
80501 TGAAATGATA ACACCTATCA AGGTTATTCT GTGGTGTCTTG GGCTAACCC
80551 GATGACCAGG TTCACCCCTCC TTCCCAACAT AGGCATCTGG CTTGGAGGAG
80601 CTAAATTAAAT AAAGTTGTG TCTTAATAAC TTGCAGGTGA GTCCCCAGTG
80651 TTCTTGGGG GTGGGAAGCC AAGCAAGGCC AAGGCTGCCA TGTGGGGTGG
80701 CTGACCCCTG GATATCAGGG GGGTTACTTG GACTCTTTG TCTGGGCCA
80751 GAATTGACAT AGCTGTCTGG GCCAGGCACC CTGCTGGTTA TCACTCCATA
80801 GCTCAGTCTG TGTGTGATGT GTCTTTGCA CCTTCACCTT CATTTTCCA
80851 AATAAGGAAA AGTGAATGG AGAGAAGGGG AGAATATTTC TATAATGTGA
80901 ATGACTCTTG CTACTCTGAG TTCCCTCAGC TGTTCAGTT ATAATTCTTA
80951 TAGGATCAGT TCAGGCCCTGC ATTTCCAGGG ATGATGCTTG GCTGTTAAC
81001 AGCATTATG TCTGGAATG CTTATAACAT CGGTCAAGTTA TGCAGTGAAT
81051 GCACTTATGG GTGTGTGTGT GTGTGTGTGT GTGTGTGTGT ACACGTGCAC
81101 ATCTCAGAGC AAAAGAGATC ACAACTGAGA GGCTGAGAGA ACAGACACTG
81151 GCTAGCCCTG CCTGATTGGG GGGTGAACCC TGGTCTTCAT GAGGAGTCAG
81201 AAGCAGTTTC TAGTGAAGT AGCATGTCTC TTTGAGGCAT AAAGCTTCAC
81251 CAGTCTCTT GGAACCTTGA CTAATTGG ATTCTCTGGT TCCATGAGCC
81301 AAGCATTATA CTAAAATATA CCCCTCAATT TGCAGAGAAG TGGAGGTGT
81351 TCAAAACACAG AATCAAAATA AAGGATAATT TTCCATCTTC TGCTGAAACC
81401 TCTCATTTC CAGCAATGTA GAAACAAAC AAGAGACGAG AGGACATGTG
81451 GGGACTGAGA ATGAGTGCAT TAGCAGTCTT TTGGAGATAC CCACACAGAC
81501 CTGATGAGCT TCTCAGGACA GAGGGCTGCA CTCAGGATTC ATCCTCATCC
81551 ACAGTGATTG TGGCTGTGTG GACTTACACA ACTGGCAGCT TGCTGCCAGT
81601 TGCCGCTCTG TTGGTAGGA AAAAGGAGGA CTTGGAAACT GCCTCCGGAG
81651 AGCCTTTGG AGGTGAAGGA AGTTGGCTGG CAACTCTGTC CACTCAAGCT
81701 CAAAACCTCA GCCCGTTCAC CAGCTCCCTGT TGGTCCAAGT CTGAATTGTC
81751 CAGGTTGGCC GACAAGTTCT GCTCCTCTC CTGTTCGCA TTCATCCCC
81801 CTCCCTCTGC TACTCCCATG TGGTCAAAGT CCTCATCCCC AGCTCCCTGC
81851 AAAGGCCCTCC CCATGAGCCT CCCTGACCCCT GTCTGCATAG CGCCACTTCA

81901 CAACTCGTCC GCAAATGTTA TCTTCTCACC ACTGGCCAGC TCAGTTGGGG
 81951 TTGGAGTGTG TGTGATAAGC TAATCCACGT GGAGATCTAA ATGGCCTCCA
 82001 GGGGTCACTTA GGAACCCCTCA CTTTTTTCTC GCCCAAATT CAAGACCATC
 82051 CGTGGGGGAT CCTTACCCCTA CCTCTCCAAT AGGAGTCGCA CCCTAACCA
 82101 GCAAGTCCCC TTCTGTTCTGG CTGTACATT GGCTTTCCC TATTTGTGAA
 82151 TGGATTCTCC TCTTCCTCCA AGACCCAGCT GAGATCTCAT CTCTGCAAAG
 82201 ACTTCTCAGT TCCCTCCTGT TCACCTCTT TCCCTCAACA CTCAAAACCC
 82251 ACCCCTCATT GTCCAGTGC TGATAATGAG GCTACCCCCCT TGGTTTCATG
 82301 AATTGCTTCA TCTCCCCAGC TGTTAGTGA AGAGAATAAA AATAGCCACA
 82351 GTGTATTGAT CATTTACCGT AGGCCTCATA AATATCATGG CATTTAGTAT
 82401 GTCCAATAAC TGTGTGTGAT AAGTATCAAT GTCTCATTGT AGTTAGAAAA
 82451 TCACAGTGCT AGGTATCAA GCTGTTCATC TGTTAAAGTC GTGCTTCCT
 82501 CAGGCCCTC AGTGTGTGTG TCCCCTGAGA GGTGCTCAGT AGACAGTTGA
 82551 GAGAATAACA AGCTGCTCCG TCTCCCCAT GACCCCTAGCA CCCAGCACAG
 82601 TGCTGAGCAT GTAATACATG CTCAACTAAT ATGCTTTGA CAGACATATT
 82651 TGAAGGCATA AAGAGCTAGG AGAATATTGA CAGTTCCAC TGGCTGATGG
 82701 AGTAAACCAG GGCTTCAGGA GTCAGTCTAG AAGTCCAGAT TCTGGTCGA
 82751 GTCCTGCACT GGTCAGCTGA GGGACCTCGG GTCTGCTCA CCCCCAAGACT
 82801 CAATTCTTC ATTTGCATGA CAAGGGCTTG TGACACAGGTT CTGTGAACTC
 82851 TGGAAATTCTT GATGCTTTA CTCATTCCCT GAAGAGGTTA ATTAGGACGA
 82901 AGTGTCTTT AACTGGCAAT TACACTGCTG CGATATAGCT TGTTTAGTGA
 82951 GGCCGGCATC ATTGCCAAGG CCAGGACGGT TTCTGATGAT CATTGCCAG
 83001 TCTCAGGAGA ACAGAGACCG TGAGGAGACT GCTTAAGATG AATAAGAAC
 83051 TCCCCCCTC CACCATCAAA TGAGAAAGCT ATGGATCCAG AGCTGGGAA
 83101 CACCACTGGG CAGGATGGTT TCAATGCCCT TAATTAGCT TGCTCTAATT
 83151 CTCCCTAACG AGCTCTTCT CAGTGGAAA CAAAGAAGCT GCCTTGAGT
 83201 GGGAACTCTG TGTATCCTTG TGAGGTAGAA GTCAGGCACA GGCTAACCAAG
 83251 ACATGGACTT GGGCAGTGCA GGGGAAACA ACCCAGCCCT CAACAAGCAT
 83301 CACGCTTGGC TTGGCCAGCT CTGTTGGGG TGAATGTGC GTGATAAGCG
 83351 AATTACGTG GAGATCTAAA TGACTGCCAA GGGTCATTG CATTCTAAC
 83401 CAAAGGGATA CATAATTAAAT GGTAGCTCTT GAGACATCAA ACTGACATAT
 83451 CGACTGTGGG CCTGTTTGC CAGAACAGCG GAAAGGCTGG GGCACCCGTC
 83501 TGCTGGGAAG ACTCCATGTA ACAGGGTTAA AAAGGTAAAG TTTCAGAGGA
 83551 TTTCTGATC CATGAAGTTA GTGGTGCATG TGCTGTTCA GGGACTCCCTC
 83601 ATCTAAAGCA TTACAGACATA TATTAGCAAG ATTAGGTGAC TCCAAAGGGC
 83651 TGTGAGGAGG ACTGAGTACA GTGAGGCCAA ATTCACTGCTT GAAACCTAAC
 83701 ATCTGCCAGT GCATCTGAGT GGGTGCCAG TGGTGGCCCT CACTCACTAG
 83751 CTGGGCCAGG CAGCGGGATG GCTGCCCTT GTGTGCAGAG GCCCCATGGGG
 83801 GCTGCTGTT GGGTGTGATT TTCCCTGGCT TAGCGCTATA CGTTGAAATC
 83851 ACTGCAGTAT TGACAACCC ACCCAGGGC GGGGTGGGG GTGCATTCT
 83901 GGAGGGCCCT CTATGCACCT GTTAGTATTG CAAGTACGGG TCCAAAGAGA
 83951 CGCAGCTTGG AAGAAGCACA CGTTCTGTGG TGCCCCCTGTC TACAGCAGGC
 84001 TTCTCTGCGC GAAGTTGTT TAGCCCTCTG TTCTGCAAGT TACAGCATCT
 84051 TGAATGAGGC AAAGTGACAC ACAGGGAAAT GGTGTGTATT CCCTACAAAC
 84101 TCCTCAGAGT TGACACCCTGCT CTCGCCCTTC TTCTGCTTT GCCAGAGGCT
 84151 GTGACTCTGG CTCTTCACCTC TTCACTCATC ACAAAAGCCTT TTCCCTTTAT
 84201 CATGTCAGAC CTGGAAAAC CCACAGTCAT GAAAATGATT TATCTCTTA
 84251 AATTGTCAGT GATCTCCCAT TAGGCTTAGG ATAAAATCCA ATTTCTTCCC
 84301 AGGCCTCCAA GGGCTTGTGT GATCTCACCT CTGCTGCCCT GTCTCCGTTC
 84351 AAGCCCGTCC ATCTCTCTCT CCAGCTTCCC ATGCTCCAGA CACGCTGACC
 84401 TGCTCTCTT CTGCCCTCA AGCAGGACAC ACCTGCTCCC ACCCTGGGCC
 84451 TGTGCACATG CTGTGCTGTC CCCTCTCCCT GAGCGGCTCC CCTCGGATCT
 84501 TTTGTGACTG CTGCTGTCTC ATCTGGTGT TCCCAGATGT TAACTTCCCA
 84551 GAGAGACCAC CACTGACGTT CCTGTCACAA GGACACCCGT CTTCCCTGCC
 84601 CACCTGTGAC TTTGTTTAG CTTCTTCACA GCAATTGTTA TTATGGGAAA
 84651 TTGTCTTATT TATTGTTAA TGCTGTCAGA GTGGACTAGG ATGTCGGCTC
 84701 TAAGACAAAA ATGCTCTCTC AGACTTGGTA TTTTAAATG TGTTTCAAAT
 84751 TTACAATTGT AATAAATGGG TAACATAATA AATAATAAAT TGTTATTAG
 84801 GTCCCTGGAC TGCTGTTGAA TGAATGATG GCAACAATGA TAGGAGTAGT
 84851 TGCTGTTTAT TGAGTACCTG TTATGTCAGA GGCTCCACAT TTAATCATCA
 84901 CACCAAACCC AAGTGACCAAG TGCTGTCAAC CTCACTTAC ATATAAAAAC
 84951 ATATTAAAAAA AAACCAAGAT TCACAAATGT TACATGATT TCACTTTGT
 85001 AATAGGGTAA ACAGCCTGGA TTCAAGCCCA GGTCTGACTG GTTCAGAAAC

85051 CCATGCCCTT TCTCTAAAGA AGAACTAGGT AACTTGCTAT GTCATCCACT
85101 ATCTGGTGGT TTTCCCTGCT GGCTGGTTT CCCTTCTCT CCCACTCTGC
85151 ACCCACGCG AGTGGCAGT GGATGCCAGT CCATTCAAGAT TTCTCCTATG
85201 TCTGCTCTGT GTTAGTCTAC TTGGGCTGCC ATGACAAAGT ATTGCAGACT
85251 GGGTGGCTTC AACACCGGAA GTTTATTTT TCACGGTCT GGAGGCTGGA
85301 AGTCTGAGCC AAGGTACTGG GAGGATTGGT GAGGCCTCTC TCCTGGGCTT
85351 GCACACAGCT ACCTTCTTC TGTTGCTCTCA CATGGCCTTT CCTCTGCACG
85401 CATGCCGGGA GAGAGACGGC TGGCCTCTC TCTTATAAGG ACACCAGTCC
85451 TATCAGATTG GAGCCCTGCCC CTCCCTGACCT CATTTCACGT TAATTACCTC
85501 CTTGAGAATT CTAACTCCAA ATATAGTAAC ACTGGGGTTA GGATTTAAC
85551 ATGAATGTGG GGTAGGGGG ACTCGGGGGT GGCAGGGCA CAATTCAAGTC
85601 CCTTACACAT TCTGTGGAAA CACTTTTCC GATGCCCTAA TTATACCAA
85651 CTGATTAAGA TACAAAAGTA ATATTACAG TTCCAATCA GTGCTTGAGG
85701 GCTAGAAAAC ATTGAAATAT GTGATCCCTG CCCCCGAGGC ACTTAGCGTT
85751 TCAAATCTCG GACTCATTGA GTTGTGTGCT TTATTAATGA TAATTGGGC
85801 TTTTACAATG AATGCTGGAT GCCCGTGTG AAGCCCTCA GCCCTGAAGG
85851 GCCACTGGGG CAGACACATG CTAAGAACGT GTCAATTGGA TAATCAATTA
85901 GCTTAATTAA AAAAGTGGCA GCCACTGAGA TAGGAAATGT GAAAGATGCT
85951 ACTGAAAATT GTTAGTCTG CAAGTCACAT CAGAGAGATG TCTGCATCAG
86001 CATTATATCA TGATTTGGCC TCCAGAATT AGGCAGAATG TGAGAAAGCT
86051 GGAGAAGGTC CAGAAATAAA CAACAGGATG AATTAAGGG GAGAAAATAA
86101 TGCTATGAGA AAAGGTGATA AGAGTTGCAT TTTTATTTT TTAAATCCCA
86151 ATGCCAAGA GATTGTGGCA CATAGGTAAT TACTATCTTC TAGGGTCGTT
86201 AAAGGAAGAA TGCTGACCAA CTGTTAATA TTTCTTGGG AAATTAATA
86251 GGAGTCATGG GCTCAAGTCC AGCATAAGAG AAGTGGAGGG GGCAAGAAG
86301 CAATCATTG GATTTTGT GTGATTAAT GCTGAATTAA TTCCAGCAA
86351 GGGAAATTGCA CTATCGGTGG TCCTGCTCTG ACAGCTATT GTCTGGAATG
86401 GTTCATGTGC ATAGACTCAA GCCTCTCCCA CCTGGTAGAA TTCTGCTCC
86451 TCATAGATAA TTTCCCCAC AGCTATATGT CACTGTGGG AACTCTGAGG
86501 GCCTGGGGAT CTATACCCCTT ATTCTGCTTT GCACAGTGT GCCTGAAGTT
86551 TCCACATCTT TGGCACTTAG AGAGCTTTAC ATCATCTAAT TCTGCCTTCT
86601 GGCATCTCTT CTCAATTGCA TCACAGTGT CTTGGGACAA CCCTGCAGTT
86651 TATAAATCCA TCTACCTGGA GGCAGGAGAT CAAATCAGAT GACCTGTGAA
86701 GCCCCCTTGTG GTGAAAACA TCTAGGGCT TTCTTACTTA GAAATTAAAG
86751 ATGGGTGCAG TGTCTGGCT GTCACTCTG CCTCTCCATG AGAGGAAACT
86801 AAATAAAAT TCTCACAAGA CATTAAATAGC CAAATAAAGA GTTAATAGGG
86851 TTCGCTCTG GGAGTTAATT TAGAAAGAGT TGATAGGATA ATGGGCAATA
86901 AAATAGAAAA GGAATAATG TTTATTGAGA ATCATTCTT CTGTTAAAT
86951 GTATTAGTT CACAAAGGAG TTGCTATTTT GGAATCATTC ATTTGATGAT
87001 TCCTCAAAGA TTTCTGAGAG CCAACTAGAT GCCAGGCACT CTCCCCGGTG
87051 CTGAAGATAG GGTGGCAGGC AGTACAAAGC TCCTGCCTTG GTGAGCTTGC
87101 AAGTCCTCAT GAATTAGGAT TTCCAACACTGC AAGTGACAAA AATGCAACCC
87151 AAAGTGCTTT AAGCCAGGAG AAAAGGATCT GTAACGGGA AGACTAGTGA
87201 TAACTGGTTC CATATTATTG CTGGATTGGA TTCAGGGCTC AGCAGGGAAAG
87251 CAAGTGACAG CCTGCCAAC TGCTCAGCTG AATCTCTGAG GTTCTCTT
87301 GCTGGACCA CGTGGGTCTT GGGACCATCC CTGAACACCA GTTATATAGA
87351 GAAGGAAAGA CTGCTGTACC TAAGGTTAAG TGGAGACATG TTTTCCCCCT
87401 GCTGCTGGGG ATGGGGGGTC AGCTTCACCC TAAGAGTGGG GCTGGGGTCA
87451 TTTTGTAAA GCAAGCTCAG GACATGCTG CCCTAGGAAG GAACAGTGAA
87501 TGCTTGATGA AAAAAAAAT TTCTTAAAGG TAGTTACTTT TTAAAGTTT
87551 TAAACAAACT TCAGAAAGTT TAATCCACAC AGGGACTTCG AACCCACATC
87601 TTCTCTTACA TGTTGCTTCT TCAGGAAGCA GCAGGAGAA TATTGCTA
87651 GTCCCCGCTG CCAGAACCCAC CTTCTCTC CACATCAGCT TTTCCAGTGA
87701 TTCAGACCA CCCCTCCATC CCATCAGAAC CCATCTAGCC CACACCTCCT
87751 TCTCAGTGC TAGCTTTGTG CTGGCCCCAA TGCTACATCA TTCTATATTA
87801 TGCACAGTGA GAAATATATG TATGCAGAAT ACACACACAT ACCTGTGTCT
87851 GGATGATATA TGTGACTTTT CATAAAAGCA ACCCTGCTCT TAAAAACCCC
87901 TTCTGTGAAC ACTCTCCACC CTCCCCGTGCC TTCTGACAGA TCTCAGGCAA
87951 AGATTACACT TGCTGACAGC AGGAACCCAC CAGCCCCCTA ATTCACACT
88001 TAGCACCTG CCATTGGAAG AATGCACCAT TTTTCTTCC TGAAGTGCTA
88051 CACTCCAGGG CAGGTCTTT GTGTCTATG AAAGTGCTGT CCATCACTGG
88101 CTGCTCTCC TCTGGCCCCCT CCCACCCCCA CCCAACGCC AAATATCTCT
88151 GGGGGCAGCC CTGGGGTTCC CATCTTGGTG CTCCCCACAG CCCTCCGTGG

88201 TGTGCTCTGG ATGGTTGAGT GGAATGGCTT TCTCGAGATG AAGAGAAGAG
88251 GCCTGCAGCA TGGAAAGGGAA GGAGTGGGCA CAGGGCCGTC TCTACTGTC
88301 ACTGCCACCTC CTCCAGTGTG CTGTGACAAA TTCTGAGAGC TCTCCACCCA
88351 TCCACTCCAC ACCTCTTCC CCAAACCTGT GGTTTAAGT ACATAAGCAA
88401 TGCA GCCACA TTGCAAAACA AGAAAATGAG GGAAGGAGAA GGGAGGGTCC
88451 TGAGAAAGGA GAAGAAAAGA GGAAAAAAAAG CAGAAGAAAA ATTGAGAAAA
88501 GAAATACGGA AACCCCACCTG CAATTGCCAC CTGCAGGTTC TTTTCATGTG
88551 CATCTGTTT ATGTTGTTAC TCTTCAATA CAGAGTTGCC CACGGTCTAC
88601 TCTAGCTACT TGTTTATCCC AAGTAATTTC ATGAAAAAAA TTTACCCCTCA
88651 ATCTTCTGTA GCTCGCCTTG CTAGGGTGC ACCTACATCT CCTGCCTAAG
88701 TATTGTCATT AGACCCAAAA TGAAATGCAT GTGACTTGCA GGGTCAAAGG
88751 CTCAGTGCCTT TTGCTCTCCG ATTAGAAGAT CTTAGGATGA CTTATTTGAA
88801 TTTCTTGTTC CTGATTGTGC CTCTTAGGGC AGAAATGGTT CTTGCTAAC
88851 AACAAAATTTC TCTATAAAAG GCATCTGCT GGGGAAGGAG GGATAATACC
88901 TGGTTGGAAA AGTACAGGTA GTTATTGCA GAAAATACC AAAGGGGCC
88951 AGGCACCACATC ATTACTGCTA TTGCCCTTCT CGGAAAGGCT GACGTGTTGA
89001 AATCAACTGT GGCCATCCCC GCTTCCCTT ATGTTGCTGC TTTGGAGCGA
89051 GCAGACAGAA AGAAGCGTGC ACGTTGGTGA TTGGCGGCAT GACAGCCTCA
89101 AGGCACTAAC CCAGCACCTG CTTCTGAGG CCAGCTCAGC ACCTCACAAAG
89151 GTGCCAGGTG CTGGGATAGG AACAGAAGGG ACTTGGTCCC TGTCTGAGAG
89201 GTGTTCATCT GGGAGGAAGC CAGCCATATG TGTGACTTCT AGTGCCAAT
89251 TAGTCAGTGT ACATCCAGAA AGCAGGGGCG CATTCCAGCT TATAGAAGAG
89301 AAGCCCTGGG GTGAAATGT GTTGTGTGTT TTTACAACAG TCAGAACAAA
89351 TGGTGCCTT TGGAAAGTAC CATGAGCAAT GTTAGATTAT AAGGACAAGC
89401 AATGGAATGT TAAGGGTCAG AGGCAGGAGG GGACCCCTC CTTGCATGGA
89451 GCACCTTGTAA CTCTGCCTGA CAACTGAGCC TCAAAACAGA GAGCTTGGTT
89501 TTACAAAAGT TTTTCTTCC CTTCAGGTCT CATACTTTA TTTGTAAGT
89551 GGTGCTAATA ATAGCTTTTC TTCTTCTACT GGATTGATGA AAGACTCAAG
89601 TACTAACAC ATACAAAGAT TATTGTTAAT TTAATGCATT CCATGGGGG
89651 TCAGGGAATA ATATCCCTT GTAATTGTT TTTAAGAACG ATTTAAATT
89701 TTTCCCCCAA TTACAAAATG GATAAAATTG CATTGTAGCC AATTGGAAA
89751 TATAGCAAAG CACATAAAA TATTTTAAAT TTATCATCCA GACATTAAAA
89801 ACCATTACCA TTGGCATGTAA TCTCCCAACC AAGCTTTTC CTATGCACGG
89851 GTTAAGAAAAA ACAAGCATTG AGCATCTCTG TTCTTATATC CTTGTCCATA
89901 TACTCTTAAT TTGTCCTTA ACATAGAGTC TAGTAGAAA ATTGTTGGAG
89951 TGTAGAGCAG AATATATGCA GAGTTTCAGA TCTTTAGAAC TATAGTGTCA
90001 AACTGCCATT TTGAAAGGTT ATTCAATTCA CATCCCAGAA ATTGAAGATA
90051 ATGCTGCCCTT CTCCCCCACC TGCCCTTGC TGGGTGCTAA CATTCTAAA
90101 CATCTTACT AATTGATAG TATAAAAATG GTACTTCATT GTTTTAATTAA
90151 GCCTTCTTT GATTATTGGT GATGAACATT TTTTCATGT GTTTATTCAC
90201 CAGTTGTATT GATTCTCTG TAGTTGACT ACTCCTTGTC TTTTTCTAT
90251 TGATGTATTCTTCTTATTAA TTGATTGTA AAATAACACT TTTATATATT
90301 AAAGACATTG ACTTTTCAGC AAACATTG CAAGTATTG CCAAATTGTT
90351 CGTTTGTCTT TTGTTTATGG TAGGCCTGAT AAAACAGAAGG TTTGTAATGT
90401 TTATTTAGTC AAAAATGTT AACTTTTC CTTTATGGTA TCAGCATTG
90451 TTTATATGCA TATAAAAGTGC TTTCAATTG GGCATGGTTA ATTTGTATG
90501 TCCACTGGC TAGGCCATAG TGCCCTAAATA TTTGGTCAGA CATTATTCTA
90551 GATATTCTG TGAAGATACT TTTCAGATGA GATTGACGTT TAAATTACTA
90601 GACTTTGAGT AAAGCAGATT ACCCTCCATA ATGTTGGTGG ACCTCACCCA
90651 GTCAGTGGAA GGTCTTAGTA GAAAAAAAGAC TTAGCTCCCG CAAAGAAGAG
90701 ATAATTCTGC CAGTAGACTG CTTGGACTT GAATGGTAAC ATCAGCTCTT
90751 TTCTGGGACT TCAGCCTGCC AGCCTACCT GCAGATTTG GACTTGAGTG
90801 GTAACATCAA CTCTTTCTG GGACTTAGC CTGCCAGCCT ACCCTGCAGA
90851 TTTGGACTT GCCAGCCTCT GTAAATCACAT GAGCCAATTG CTTAAAAAAG
90901 ATCTATTCTC CCCTCTCTCT CAATCACCT ACACACACAC ACACACACAC
90951 ACACACACAA TTAGTTCTAT TTCTCTATAG AACTCTAATA ATATACAGCC
91001 AAAAATTATG TAAATGTTA TTTATATTCTT CTTTTAGTAT TATTATGCTT
91051 TCAGTTGTG TGTTGTGTG TGTTGTGTG TGTTGTGTG TGTTGTGTG
91101 GTGTGTGTG ATATATATAT ATATATTCTT TTTTTTTTTT TTTTTTTTTT
91151 TTGAGATGGA GTCTCACTCT GTGCCAGG CTGGAATGCA TGGGTATGAT
91201 CTCGGCTTAA TGCAACCTCC ACCTCCCAGG CTCAAGCAAT TCTTCTGCCT
91251 CAGCCTCTG AGTAGCTGGG AATATAGGCA CCTGCCACTA TGCTCAGCTA
91301 ATTTTGTAT TTTTAGTAGA GAACAGGTTT CACCATGTTG GCCAGGCTGG

FIGURE 3, page 29 of 188

91351 TCTCAAACTC CTGACCTCAG GTGATCCACC CACCTTGGCC TCCCAAAGTG
91401 CTGGGATTAC AGACATGTGC CACTGACCCT GGCCAGTTG TACATTTTT
91451 AGTCGGTGA GAGTCATG TTTGCTATAA GCGCGATTTT TTTTTTTTT
91501 GAGACAGGGT CTCACTCAT CTCCCAGGCT GGAGTGCAGT GGTGCAATCA
91551 TGGCTTACTG TAGCCTCGAA TTCCTGGAC CAAAGATCCT CTTGCCCTCAG
91601 TCTCCCAAAG TGCTGGGATT ATAGGAGCCC AGCCTCAAGG CAGAGAGGCA
91651 GAGATTGAT TAAATTATCT TCCATGTGGT TAACTAATTG TTCCAACACC
91701 ATAATTAAA TGACATATCC TTTCTTTT TCCTGAAAT GACACCCAT
91751 TTACATGTAT CTTCTTAGAT TTTAGTCTG TTGTTTGAT CTGCCCTTTC
91801 CTGCTGCCAT ACCCCCATTGT TTTGGTAACC TTAGTTTAC AATGCACTT
91851 AATGTTAGAG AAGTCAACAC CTCAGACTGC CTTTCTGAA TCTTTTTTA
91901 GAAATGTTT CCACATGAGT GAATTGAAAT AATTGTT ATGTTCCAA
91951 AAGAAATCCC ATTACAATT TATTGAAATT GTGTTACTGT TATAGGGAA
92001 TATGGAGAAA ATTTAAATCT TTACAATCCT GAATTTCCCT ATTCAGGGAC
92051 ACAGAGTCTC TCCGTTTACT CAACCCCTCCT ATTTTCTCA ATAAATTCT
92101 GTCATTTCTC TCATAGGTGT TTTGCACATT TTATAGACAT TTATATTTT
92151 TGGTTGCTTT TGGATTTTT GTCATTATAA TTTCTGGTT TTGTGTATGT
92201 GTTTGTATTA ATTTATATTG TAAACAGTGC CTTACTAAAT CTCTTACAAA
92251 TTCTAATAGT AATTTGATGAA ACTGTAGATT TTTTCCAGA AAATATGATA
92301 ATTTCTCCT CTTCTTTCA ATGTTTTTG ACTATTATCT TGTATTCTG
92351 TCTAACTGCA GGGTCTAGAC CTTCCAGGAA ACAAAAGTCTT AGTACATAGT
92401 ACGTGAGCTT CTTGTCCTTA ATTCTAAAAG TAAAAGGATT GCTCCTAAGT
92451 GGTCATTA AATGATATTG GTAAATTATC ACTGAACTCT TAGAATAAGT
92501 CCTCCTGGT CATGGCACGT TAGTCTTCA AAAAAAAAT AGCGCTAGGT
92551 TTGATTTGGT ATTCTTTACT TAAGGTTTT ATTATTTAT TTTGCATTA
92601 CTTTCATGA GCTGTAGATT TTAGTTTTA CATTTCATTT CTCATATGGT
92651 GGCTGATGCA CTTGAAAAT GAGTTAAGAA ACTCAATTTC TTCAATATAC
92701 GGAATTGTTG AATATTGTT GCCCTCTAA GTACTTTGAT GTTATTACCA
92751 ACCTTGCTTT TTGTCATTT GGTTTTCTG ACATTCACTT TGCCAACAAA
92801 TATTTCTGAA GTGCATACTA TGTCTAAAT ACTAATTTC ACTGGTTTAT
92851 CATTAAATCT ATATTTTTG TATGTTTGTC TTTTTTTAA AAAAAAAAG
92901 CAGGTGATAT TTGTTGAGCC AATCTGAGAA TTATTTATGT TATCACAGGA
92951 AGATTAACC TATTTATAGT TATTATAATA TGTGTTATGA TCAGAATTGC
93001 TTCTTGAGC TTATTTGTT TTCTGAAATT ATGCTTTCTT TTTCTTTGTT
93051 TCCTGTATTG TACTCTATAA ACTGTTGTTA TTTTATTATC ATCTCTCAGT
93101 GCCTCATATA TCCCCTAATC TTAAATCTCC CATAGGTTAC CTTAAAAAT
93151 TTTGGAAGTT TTTTTTTT TCCCTTCCTT TTAAGAGATG GGGGTCTCAC
93201 TTTGTTGCTC AGGCTGGAGT GCAGTGGTGT GATCATGGCT CATTCCAGCC
93251 CTGACCTCCT GACCTCAAGT GATCCTCCA CCTCAGCCTC CCAAAGTGC
93301 GGCATTACAG GTGTGAGCCA CCATGCCAG CCTGTACCA CTTCTTAGTT
93351 TCTATTATTA TTAGGAATTG GGAGCCAACC AATGAAAGAC TTTTGTTAG
93401 TCTTTCTTT CTAAAACATG CTGACAATT ATTCACTTA TTAACCAACA
93451 TTATAGCATT TATTTAGATT TATCTGTAT TTATTTGGTT GCATGGCTTA
93501 TCGGGGATTC TTCTATATTA TAGTTTCAGA TGTTAATTTC CTTTCTTAG
93551 GTTAATTATA TTAATGTTAC ATTTCAAGC GATGTTTTTG AATGAAGAAT
93601 GCATGGGTGT TATATTGTCT TGAATACTGC ATGTCACAGA ATACAAAGTA
93651 TTACTTTAT ATAGTAAAGA CGAGCTTCCT TATTATACTT CCTAAATAAA
93701 AGTACTTCC CTTACAACTA TGTAGACATT GGTCCATTAT CTTCCAGTAT
93751 TTTGTATTCC AGAATAAAAG TCTAAGGGAG GCCTGGTTTG TTCCCTTGT
93801 TTAAAAAATA AATTGTTTTG TGGTTTCTG GCTAAAATGC TAGAACCACT
93851 TGTCTTTGT CTTCATTATC CAAATGTTA TTTGGGTAAG TGTAGTATCG
93901 ATTTCTTACCA ATTTTTCTT CTGGAACATG ATGAATGCTT TTAATCTATG
93951 CTTCAGTCTT TAGGAACATT TCCCACAACT ATGTCTTGT CTTGATTATT
94001 TGTCTAGCC TTGTCCTCTG AAATTGTCCTG TGTGTTAGTGG AAAACTCTATT
94051 GCCTGCCCTG CACATCTGCT CCTTTTCTTC TCTGCACCTC GGGACAGCTT
94101 CTAAAGTTG TCCAAACATGT CATTGACTGA GTTTGTATC ATTTCAGTTC
94151 TGCTCTTAC TGGTTCTAT GTGGATGCTA ATTATGCAAA TGCAATTTC
94201 ACCTCTGCA CTCCTTTTC TAAGTCACCT CACTCTCAT TTCCCTCATGT
94251 TTTCCCTTA TCCTCTCTC TCGAGCCCTT GATTCAACCTC TTGTTCTTCTT
94301 CATCTGCTC TCTCTCTAG AGATTCCTCC TGTTCTCCCT GAACCAACGG
94351 TTATTATTAA TTATTATTAT TATTATTATT ATTATTATTA TTATTATCAT
94401 TGAGACGGAG TCTGCTCTT TAGCTCAGGC TGGAACGCAG TGGCTCGATC
94451 TCGGCTCATT GCAAGCTCCG CTTCCCGGAT TCACGCCATT CTCCTGCCCT

94501 AGCCCTCTCGG TAGCTGGGAC TACAGGCCGC CACCACTACG CCTGGCTAAT
94551 TTTTTGTAT TTTTAGTACA GACGGGGTTT CACCGTGTAA GCCAGGATGG
94601 TCTCGATCTC CTGACCTCGT GATCCACCGG CCTTGGCCTC CCAAAGTTCT
94651 GGGATTACAG GCATGAGCCA CGCGCCCCGG CCCCGACAGT TTATTTAATT
94701 CTCTGAGGT GCCGAAGTTC TCTTACCTTT TCTTCTGAAT TCTAAAGTAG
94751 ATCATTCTCA GAGAGGACCC TTCAGGATAA TGTTCTGTGTT GTCGCAATGT
94801 ACAGATTCTA CTCCCACCTC TATCCCCACT CCTTGTACCC AGGCCTCATG
94851 TTGGGTTAA ATCTCGTGT A TCTACCCTG AAAAGAAAGT GATCCATTCC
94901 CAGTCACTGC TGACCAATAG TCAGGATGTT TAGAACGTTT TGTCCTTGCC
94951 GTCTGTCAT GTGGATGGCT GAAGACAGGT TTAAATAGCAT CCAATTCCAT
95001 AGAATTGGAA TTGGAAGAAT TCTATAGGAA GAATCCACTT CATGCAGTC
95051 CTCTTCCAGC CCCACTGGCT GCTGCTCTGC CCTGCTGAAC ACATGGATGG
95101 GCACAGGACA CACTGCAGTT CATAGTGTAT ACTGCTGCTG GGGTCTCTGC
95151 TCTTACCCAC TGTGTCGGTG TGAATTTCAT GTATTCTGC TTGTCTAGT
95201 GGTAACCATT CTTCTCTGTG ACCAAAGAAT ACAATTCAAC GTTTCTCCCTC
95251 ATATAGCAAT TAATAATATG CATATTGTAA AAAAGAAACA ATTCTGCCCT
95301 ATTGGAACAT ATATGATGT AATATAAGTA TACCAAGATA TTCCATGCC
95351 ATAGTTGGA GTTACCGTC ATCAAAGCAA AATGCCCTGTT ACAGAAGAGG
95401 ATTAGCAAAG GCGCAGCTCT CTGGAGGAGG TCTGTGAGAT ACTAGAAAAT
95451 CTTATCCAGG CCGGGCACAG TGGCTCATGC CTGTAATCCC AGCACATTGG
95501 GAGGCTGAGG CGGGCTGATC ATTTGAGGTC AGGAGTTCAC GACCAGCCTG
95551 GCCAACATGG GGAAACCCCA TCTCTACTAA AAGTAATATA AAAATTAGCC
95601 AGGCATGGTA GCTCATGCCT GTAGTCCCAG CTACTCAAGA GGCTAAGGCA
95651 TGAGAATCGC TTGAACCTGG AAAGTGGAGG TTGAGTGTGAG CCAAGATCAC
95701 GCCACTGCAC TCCAGCCTGG GCGAGAGAGA GCAAAACTGT CTAAAAAAA
95751 AAAAGGAAGA AAATCTTATC CAGTCTCTGG GCATCACCTT TCCACCCAGT
95801 CCTACCTCCC TGTGGCAAC TAAGGCTACT GCAGCATCAT ATGCATAAGC
95851 CATTGCTCTT CCTTCTGAGT GTACAGGTAT CTGGGTATAT ACATATGTG
95901 GAAGGTACAC ATTATCTTA TTACAGAATA TACTACATAA TTTATGATGC
95951 AGAGTGAAGA GAGATTGAAA AACACATTCA AGTGCCTAA ATACTGCTG
96001 GGATATGTAG CAGTATAATT GAAGGGACATG TACTATAAA GTCTAATGTG
96051 TAAAATTCTT TAAAGAATT CCCACATTAT TCTATGTCAA ATCTCTTGT
96101 AAAAACAAA CTGGAAAAAT TCACTGGACA GTAGCTGATT TTCAACTCCA
96151 AATCTCCAAT CTATTGAGA TCCAAGCCCT CTAAGTAAGA TCACAGATCA
96201 TAGTTGTTG CTCACTGTGT CATTGGGAA TCTGCAGCAC CTATTGAGGG
96251 TCTTGAAGAG AATCCAGTGA GCTGTGGGA GATTGTATG ATCAGTATCG
96301 AGTCTGAAC GTGTGTTGGA CTACATGTGG CAGAGAGAGA GGTGGGTAGG
96351 ACACAGGTGA GAAGCACCGT CTGCCCTA CAGCCCCAGG GAAAGAGTGA
96401 CGCTGTGGCG AGGCAGGGTG ATCGTGGGC TTGGGCTTT GGAGGAGGG
96451 GGAATGGCCT TGCCCACTGTG GGGCCTGCAT GCATGCTCTG TAGAATCTC
96501 CTCAGTGAAG GATGTAGAAG GAGGGTACTG TGGGTTACAT GAGGGGCAAT
96551 AAGGGAGCAA GGACCTTGCA GAATGCTGAA CACTACAAAC ATGGTGGAGC
96601 CATGAAACTG GAACTGGTCC AAAGCATTG GCTCCCACCA TGCAAGCTGT
96651 GTGCTCACC CGCCACTCCA TCACTCCACC TTGAATGACG CTCAGCTCTG
96701 TCTTCACCTC TGCCCCCTT CTGCTGCTC CACCCACCAT GGCCATGTCA
96751 GCTGGCTGCA TCCCTGCTGC CCTGTCTCTT TCCTCTGCCT CTCAGCCTCT
96801 GAATACTCCT GGCTTCTGCC TCCTCCTAAC TCAGCTTGGC TTGGATCCCT
96851 CTGGTCTCTG GCATACCTCA TTTTGAAGCT TCCTCCAAGT CTCACTTTA
96901 TTGGGCAAA CTGATTAATC ACTTGAAAAA TTAATCATTT TTTCAGTGT
96951 AATTTCAAA AAGTTCTGTC CAGCTGGCTC TGCTCACCTC TTAGGATGTG
97001 TCACGGGAGA GTCTTTGGAG TTGCAGCCTT TGGGTACGT GTGCCCTTG
97051 CTCCAGTTAG ACGTGGTCAC AGCAAGTGT GGGGTACAAA ATATGGCTGC
97101 CTGGAGCTAC TTATTCACTT GGGTCTGGGG TCAAGACAGT TTTCTTAA
97151 AGAGGCTGTG GGTATGGTAA GGATCGTGGT TGACAGGATT GGTATGATGT
97201 TGCTGGCTAC TGGGGAGGAG AAGAGGGAAAC AGCGCAAATC CAGAACGCTG
97251 GTTCTTGTG CTTAACGGTCT GGCTGGAAAG AAGAAGAGCA CATGCAAATC
97301 CATCGCTGAA TGATCCTGAG TATCTCAGGG TGCTGATCAT GTCCTAACCA
97351 GGGACCCAGG CCCATGGCAG ACCACTTGTC CCACAGAGAG ATGCCAGCTT
97401 AGGTTGAGGG ACCCAGAGGA GCCTGGCCA CAGCTGGTCT GGCTGTGCTT
97451 GGGGTGCCCT TGAAGGCATG GCCTGTGGCC TTGATGGAAC TCAGAGGGGA
97501 TACATCTCAT CTCAGGCCCA GAAACTGAGC TCGCAAAAC TCCTTGAGCT
97551 GGAGGTGAGA GATGACCAAG CAAGAGAAAC ATCAGTTGCT ACAAAATCAC
97601 TGTAAGAATG GCTCTGAAA CAGGGGCCAG CCCGAGAGCT ATACAGAAAC

97651 CCTTTTGAG CGAGAGCTGG CTTTCATGTC CCCATCTCAC AGATGGGTTT
97701 TGACGTCAGA GGAGAGAACC AGCGGAAACC TTATCGAGTG GGACACGGCT
97751 GTGGCTCTAG CTTGCGCTC AGATCCATT TGCTGACTCA CCGGTAGAGG
97801 CAGAGGACAG GATCGCAAAG CTCCTGTCTT CCAGAAAGGA CTCCCTGGGG
97851 CTCCATGAAG AGAGCGCTCT CAGTAACATT TACACTACAT TTTGTTCTG
97901 TTTGCCCTTA AAATGTTTG TTTCCCCCA GTCTCTTGG AGTGGGAGAT
97951 AAAATCTGGG TAGGGAGCTA AGTTTGTTG TTCTCCTTCT GCTGGAAAAA
98001 TTGATCTTCC TGAAAGCTTG CATGGTCTGT TCTCAGGGAA GGCTGGGAAC
98051 ATTGTTGGGT AGGTCCAGTA GCAAACCTCCA GACTCATAAA TGAATCGTGG
98101 AGAGCTGACA GGAAGGTACC ACCTGGACAA CATGAGCTTT AGCCCAACCT
98151 GGGAAATATCC ATGCACAGTC CTTGGGTTT GAAAGGTAAT TTTTATATA
98201 GAAATAAGCA GGAGCTCATT TAACTTACCA CATGGTCTTT TGGGGTCA
98251 TGGATTGTT AATATATGAT GCCAACAAAG TGTTTGCCC AGAACCACTG
98301 TGTAGAGGGT GTGCTGTGG GCTGTTGCT ATTGTTTAC AGCATTGAGG
98351 GTAAGGCAAC GAGGTTCCAT TGTCTGGCCA TGCCACTTAA CTCTGTGACC
98401 TTAGACAAAT TAGTTAATCA CACTATGCCT CAGTTCTTTC AACTGTAAA
98451 TGGGGATAAT GCTGGTGCCT TCCTCATAGG GTTATTCTGA GGATTAAGG
98501 ATATAACGTA CAAATACCT TGGCACAGGG CCTAGCATAAC AGTGGGCACT
98551 AAATCATTGG TTATGATTAT GAAGTATGAG TGAGTGGACC AGATCTTTG
98601 CCTACACTCC ATATCGGAA CCAGATGTT GTCCCTAGAG CTCTGTGGC
98651 AGTGAACACG TGCACTGACTT CTGAGGTTCC TGCCAAGGTT CAGAGCAAGC
98701 ATTTCAGGGT CAAGGCTCTG GGTCACTGGG CACTGCCAG GGCAGCAGGA
98751 GAGACAGAGC TGTCACACTG CCTGCCAGC TTCATGGCTG TCTTTGTATC
98801 TGTTCTCCTT TCCTGGTTGC TTACATATGT TATCGTGTAA GGCCCATTAT
98851 CCATAATGAA ACATTAGAG TGTTTAGCAA CCCAGAAGCT ATTGCAGTCC
98901 TTCGCTGAAG GACTCTGTT TTATGAAATG AATCATTCC AGGAGAAAAC
98951 AAGTGAAGC TCCAACAGCC ATACTCTGG GCTGAGAGCA ATAACCATT
99001 AAATAGCGAG AGTGAACACT CATTGGTCTC AACCCCTAA AAGGTTTCT
99051 TGGGATAAT TGGTCTTGC TGAGTGATT GCTTCTCTGT GAGGGTATTC
99101 TGGGTCTGG CTGAAATGAG CAAGGAGGAG GCAGGCCCTG GACCACAAAG
99151 GCTCTCTCT GATAAGAAT CAGAAGAGGA AATTAGAAAA GCAAAATCT
99201 GGACAGGCCA TGAAGGAGAG GAGACGGAGA AGGTTGGCCA GGTCTTTGCT
99251 GTGTTGAAA AAAGAGGAGG TTTCTGCTC TTGAGAATCC AGAGCCAGA
99301 GGAGATGAGG TGTTGGGGTT GCAGCTCTGT AGCCAGGGCA AAATGCAGG
99351 AGAAGGGCTC ACCAGTGTGA GCAGGGCAGC TCTGCTGTGG TCTGAAGGAG
99401 GCTTAACAC AGGGATGGGA AAGTGTGGG GTGGCTGGAA TAGGCCTGCA
99451 TTTGAAAAT CAAAATAGA TTTATTCCT TTCAATTGTT GTACTGCTGT
99501 GGTTACTCAG AAACCAAGCA CTATGTCAGG TTCTGGTTT ACAGAGTAA
99551 CCAATAGCAA GTCTTTAAT GTGCTCTAG AGGTATGCTT TCCTTCCTG
99601 AGAAACAAGG AAGGATTACA AGATTAACAC TTACCTTATA TATGAGTAAG
99651 ATGATTAACA AGATCAGCAC TTACCTTATA TAAGAGTAAG ATGAAAGGCC
99701 CAACAAGACA GACTCTAAGG AGCATGTAAA ATATCAAGCC TTGCTTAAAC
99751 AGGATCTGGG CAAAATACAT CCTAGCAGTT TGCAATTAAAC AGATTATACT
99801 GTTAATGCTA TTTAAAGCT ATTTGCTTCT CACTCATGTG GTTCAGGAC
99851 TTCCACAGAT ACTAAAATCC TCAGATGCTC AAGTCCCTTC TACAAAGTGG
99901 TGCTGTTTT GCATATAACC TACACACGTT CTTCCATACA CTTAAATGA
99951 TCTCTGGATT ACTTAGTCAT GTGCTGCATA ATGATGTTTC AGTTGACAAC
100001 AGACCGCATG TACAGTGGAA GTCTGTACG ATTACACTGA ACCTGAAAAA
100051 TTCCCTGTCAC ATAGTGTGTT CATAGCTGTC ATCACATCAC AGCATAATCC
100101 TTATTCACTGT GTTTGTGGCA ATGCTGGTGT AAACAAACCT ACTGCAAAAT
100151 ATGCTGGGG A GTACTTAGCT TATCCATAGT TGACCCCTCCC AAAGGTAGCT
100201 CAGACCTTCA AGATAGAAAG CCAAGCATT GACACATGAG ACCTGACCTC
100251 AAAGGAAAGG GCTATTGTTAG AATCCTGCA ATTAAGATG ATTCCCACCC
100301 ATCCCCATGG CAGAATAATA GTTAATAACA GTTAGCTAAC ATTCACTGCA
100351 TGCTGCTGA GTGCCAGGC CCAATCTAC CTGCAATTAA ATTTTCATCA
100401 CTTTGAGGGG GTGGTCTAT TCTAATCCCC ATTTAACAGA TGAGGAAAGT
100451 GAGGTGCAAAG GAGACTTAGT AACATAATTAA GAGGGCCAC ACTCATGCAA
100501 CCAGGGACCA GTGTAGCTAA AAGAAAAATT CATTGCTGTT CCCTTTCATA
100551 ATACAATTAA GCACAATGAT GACATCCGGC AAAATACCCA ATGATGCATT
100601 TCTCAGAACAA GATCCCATCA TTAAGCAACT TGTAAGTGTAA ATACCTCACA
100651 CAGTGTGCTG TATAAAATAGT TGTTATGTTG TATTTTAA AAATTCTACT
100701 TTTTATGGTT ATGTTATTTT TTATTTTATT TTATTTATT TATTTTTTA
100751 ATGCTTCAAG CCAGGCGCAG TGGCTCATGC CTGTAACCCCC AGCACTTAG

100801 GAGGCCGAGG AGGGCGGATC ATGAGGTCAG GATATTGAGA CCATCCCTGGC
100851 CAACATAGCG AAACCCCATC TCTACTAAAA ATACAAAAAT TAGCCGGCA
100901 TGGTGTGCGG CGCCTGTAAT CCCAGCTACT TGGGAGGCTG AGGCAGGAGA
100951 GTCTCTTGAA CCCAGGAGGT GGAGGTTGCA GTGAGCTGAG ATCATGCCAC
101001 TGCACCTCCAG CCTGGCGACA GAGCGAGACT CAGTATCAA AAAA
101051 AAAAATGCTT TCAAGTCTCC GTTGTGTTGAA TCTGTAGATG TGGAACCCGC
101101 AGATCCAGAG GGCGCAGTGT ACGTAGTTAC TTTC
101151 CTCTGGAAAT GGCGAAGGTTA GTTCTGAGC TAGTTCCAAA GCATTTCT
101201 GATCCGTCTG CAGAAAGGAC CCAAGGGCT CAAACACTT CAGCCTGCTT
101251 GGGGAGATTA TCAAGAGCTG GTACAGCATG CTGCATTGTT CTGTTCTT
101301 TTATTTAAAA AATTAAACTA AACTAATATT TATATTGCT GCTTTTATT
101351 TTATTTTATT TATTTTATT TTTGAGACAG AGTCTCACTG TCACCCAGGC
101401 TGAAGGGCAG TGGCGTGTAC TCAGGCTCACT GCAATCTCTG CCTCCTGGGT
101451 TCAAGCGATT CTCCTGCCTT AGCCTCCAA GCAGCTGGGA TTACAGGCAT
101501 GTGCCACCAT GCCCAGCGAA TTTTTGAGT TTAGTAGAG ATGGGGTTT
101551 GCCATGTTGG CCAGGCTGGT CTGGAACCTC TGACCTCAGG TAATCCACCT
101601 TGGCCTCCCA AAGTGGTAGG ATTACAGGCC TGAGCCACCG CGCCTGGCCT
101651 ATTGCTCTGCT TTTTAAAGGC CCAGTCTAAT TTATTCAGG TGAATTCTT
101701 CAGAAATACG TGCTGTTGT TAATTCTTC AGCCAGGCCAG TCATTCTCC
101751 AACAAATATT TATCCAACAA ATATTATTG AATGACCTCA CTTTGCCAG
101801 GCACTGATCT GAGCACTGAG AGCCAAGATG GATGCTTAGA CAACTTGT
101851 TTCAACCTAA TTCTCACTTT TGTTTGTGCC CTGCCTTAAC CCTCAATT
101901 ATGAAATACT TTGTGTCACTA TCTGCTCTCA TAACAATGCT GGGCAATT
101951 TTCCCCCGTT ACAGAGGTGA GCAAATGGAG CTTAAGACTG TGTAGCGGTT
102001 ATATGAACCA TATGAATAAG TGGAAAACC CAGAATTTTT ATTGCTCTG
102051 CTTGCTTGT CTACCCACTT GAGCTCCAA TCTTCTTCT GTTCTCTCCC
102101 TGCTCATCAG ACCAAATCTG TCCCCCTTCT CATTCTCTC GAGTGGAGCT
102151 GTTACTTTT CAGAGTGACA AGTTGATAGA ATCAACTCAT CTGTGTGAAT
102201 GGTGGGAAG CTAATAATGG CTTAATATTG TCCTGCTGTG CATTGCTGC
102251 TATCTGGCA CAAGGTCTCTC AGCTTGTCAA ACAAAATCCCC TGCCTTGGC
102301 TCCAACGGAT CCTGTGTTAG CTAGAGTTAG GAAAACACAT GGACTAAA
102351 TTCCAAACGAA GGTAAGAGCA TATTTCTGCC ATGTCACAAA TCCCTGGACA
102401 ATCAAATGAA TTGACAGTCG TTATTTTTT ACAAAACAAAT TACCAAGCATT
102451 TTCTGTAAGA GGTGGGTTTG GGTGACAGCT CTGATGATT TCCATTCAAT
102501 GAAGACTTCC TGAAGGTGAA GGTCTCTCCC CAGCTCCAA AGAGACTCCC
102551 ACCTTGCCTG CATTGGCAGG CAGCCTACTT GCCCACTGTC TGGGATTCTA
102601 TAGTGTCTT TCCTTAAATA AACCTACTTG AAGAATATAT TCAGAACCAA
102651 GTAGGATGGG TATTTTGAT GGGGATTGAG AAGAAGTGTG GTTGATTGGA
102701 TTTTATCTTG CAACTGATTG TTCTCTGCC GATGTTGATA TGTAACCCCTG
102751 ATGCTGTGAT TCCAGGCCTC AGGAGCAGTA AGTATATAA CAACCTTCCG
102801 TTGCTTCATC TGCTAGTAGG AACCTTAATT TATCACGTAG GTGATAGAGT
102851 TGCAGTTCT CATCCACTTG TGAAAAAATT GGGCAGCTGT AGGGAAATGCA
102901 TCCCTCTTT TAAAGAATT ATTCTAAGGA ATAAGACAGA GAATTATTC
102951 CAAAATATCT TCATCCCAGT GGAAATAAAA ATCCCTGTCTA ATGGCTCAGA
103001 ATATCTCCTG GGCTTGATT AAGAAGGACT TGTAAGGATG GGCTTTCTT
103051 CTCTTACTGT TTGCTCTCTG GGCTAATCAG ACTTTAGGAA GAGAATCTG
103101 TCTTCGGCAC CTACTGGGCC AGGCACCTC TGGGACACAG ACATCTGCC
103151 GTGAAACCTG CTGCTGCCAC AGATGTGCTT TGAGGGTGCT CATTATTC
103201 GTGACTTGCT GATGACTGGA GAATGGAGAA GGACAGGAAC CTCCTCTGTT
103251 CTTAACCTC AGACACAATG CCTGTTCTGC TATGTTAAA AATAATACCT
103301 TTTATAGTTT TTTCTGGTT ATAAAAACAA AACTTGTCTT TTTTAGAAAA
103351 AATTGAATAT ATAAATAGAG AGAGAGAGGA AGGCAAAAT TACTTGTAAT
103401 ACCACCACCT AGAAATAGTC TTTGTTATT TCTGATTAA TATCCAGCCT
103451 ATTCTCTGTT AATGCATTAA TGTTGTTGT ACAAAATTGAA ATCTTCTGT
103501 ACAATCTATT CTATGACCTG AGGTTTTCA CTTAGCACTA TATTTTTCT
103551 TTATTGTTAC TAAAAAATA TATTCTGCAT CTCTGCATAA AGACAACATC
103601 TGAACGTGTA AAATACAACA ATGACCAGTC TCTTACAGGA GTCCCTGACCC
103651 TACTCGAGTT CATATTCCACA GGGGGAGAGC AGGCATTAAA CAAATAATTG
103701 TACCAAGTAAT TATTGATTG CAATTGTGAT AAGAGCTATG AAGGAAAAGA
103751 ACAGAGGGCT GTGGGCACCT GACTAGTCTG GGGAAATCAA GAAGGCTTCC
103801 CTGAGGAAGT GGCATGAAGG CCAAGAGCTG GTAGCTGAGT AAAAGTTATC
103851 TAGAAAAAGA GAGCCCAGGA TAGGAGTGGG AGGAAGACGA GAGCTCTGGG
103901 AGCTGAGAAG AGCCAGCATG GGTTAGGGAG TGAGGGGATA CATGGGACAA

103951 GGTAATGCAG TAGAGGTAGG CAGTGAATAG GTCGCTCAGA GTCCCAGTGA
104001 AGAATGTTGA GTTGATCCCA AAAGCAGTGG TAAGCATCAA TAGGTTGTA
104051 TCAGGGTTGT GACTTGATGA GGTTTATAGC TTAAAGGAT TATTCTGTTG
104101 TAAAAAAATGG GGATTATGGA GGCTGAGTTA GGAAACTACT ATAATAACCT
104151 AGAAGAGCAA CACTTGTGGT TTGGAAATAGT ACAATGGTAG GCATAGGAGA
104201 AATAGATGGA TTCTACCTAT TTTCCTAT GTTTGAGGAG CGTTTGATC
104251 AGATATGGTG ACTTACTGGA TATGGAAAAGT GAAAAGGAG CTTCAGGGAT
104301 ACTTCCTAGA TTCCCTGCCTT TTTCACCTGG ACAGAGGCAC TAAACACTAA
104351 TACAGGGAGT TTGGGGGGGA GGACCAAGGTC TTTTGGGGT AAATGATTGA
104401 TACGGTTGG CTGTGTTCCC ACCCAAATCT CATCTTGAAT TGTTAGTCCC
104451 ATAATCCCCA CGTGTGGTAG GAGGGACCCG ATGGGAAAGTA ATTGAATCAT
104501 GGGGGCAGTT TCCCCCATGA TATTCTTGTG ATAGTAAGTT CTCACGAGAT
104551 CCGATGGTT TATAAGGGGT TTCCCCCTTT GCTCGGCTCT CATTCTCTC
104601 ATTCCCTCCCA CCATTGTGAA GAAGGACATG TTTTCTTCCC CTTCTGCCAT
104651 GATCGTAAGT TACCTGAGGC CTCCCCAGCC CTGGGAAACT ATGAGTCAAT
104701 TAAACCTCTT TCCTTTATAA TTATCCAGT CTCTGGCAGT TCTTCATAGC
104751 AGTGTGAGAA TGGACTAATA CAATGATGGA CTCTGGTTA GACGTGTTAA
104801 GTTAGATGTG CCAATGGGAG AGGAGAGAGC ACATAGGCTG TTGGCTATGT
104851 TGGGCTGGAA TGCAATCACAG GGAACCTGGG TGAAATATGGA GATTTGGGAG
104901 TCATCAGCAT GTGGATGGCA AAAGAAGCCA TAAGTGGCTA AAATTGTCG
104951 GGGCAAGAAG GTAGAATCTG AAGAGAAGAA GGTCTACCAC AGGGCCTGGA
105001 GAGCCAGAGC CACTGACCTC TTTCATGGGA AGGTGGATGC ATTTGAGGCT
105051 GAGTCCTCTT GTCTCTTTA CACCAAGCCT GTCTGAATTG CCTCAAGACA
105101 ACTTCCTCCA TTGCTTTAT GATCCCGGTG GTGTGCCCGA GCCAGTGCAC
105151 ACTGGCTTAT GCGAGCTTAT TGTTAAATT GCAGGAATTG TGTGAGCCGC
105201 TTGTTTGATA CTGGCCATGT TAGGAGCAAT CACACATGGA AATTGTCAAA
105251 TTCTACTAAT CAAGGTTTA AATTTATTT TCCCTCTTCC TGGAGTGCTG
105301 GTTGTAAAC ATTTACCAGC ATATCTCCGT TTCTAACCAA CTCATCTTG
105351 CTTCTAGTGC AACTTTGTGG GTTCTTCCC TTGGAATCTG GGAGTAAGCA
105401 TGATCTGTGA TCATTTCTAT ATCTCTCTGG AAAGTCTCTA ATTTGTCGT
105451 AAATTACCAAG CCCTTCTGC TAATGAGCAGA GTAAGCAAAT GACTTTACAT
105501 TGATACAGTG AACCTCCTCA GTCTCTGTAT AAGTTTCTA TTGCTGCTGT
105551 AACACATTAC CACAAACATA GCAACTTAAC ACAAAATTAT TGTCTAAAG
105601 TTCTCTGTAGA TTAGGAGTCC TCATGAGGGC TTAATGAGGT TCTCTGCTTA
105651 GGGACTTACA AAGTTAAAAT CAATCGAAAG AATTCACTGC TGTGTGAGAG
105701 TAGAACTGAG ATCCTTGCTG TATTAGGCTA CTCTCACAGT GCTATAAAGA
105751 AATACCTGAG ACTGAGTAAT TTATAAAGAA AAGAGGTTA ATTGGCTCAT
105801 GGTTCTGCAG GCTCTACAGG AAGCATAGTG GCTTCTGCTT CTGAGGAGAA
105851 GGAAACTTGC AGTCATGGCA GAAGGCATAG GAAAAGCAGG CACGTCTCAC
105901 ATGCCAGAG TGGGAGGAAG AGAGGGAGGG AGAAGGTGCT ACACGCTTT
105951 AAAACAACATG GACCTCATGA TAACTCACTC ATTTCACATG AACAGCACTG
106001 GGGAGTTGGT GCTAACCCAT TCATGAGAAC TCTGCCCTA TGATCCAATT
106051 GCCTCCCACC AGGCCACC TCCAACACTG GGGATTGCAA TTCCACAGGA
106101 GATTCTGTGG GGACGCAGAT CCAAACCATA TCACCTGCTT TCTTGCCGA
106151 CTATTAGCTA GGGGATGCTC TCTGCTCCTA AAAGTCACCT GCATTCTCC
106201 CTTCCCGTGT GGCTCTCCAT CTTCAAATTG GCAGTGGCAT GTTAGATCCT
106251 TGTCAAGGATT TGATTCCCT TGACTTCTCC TCTGCCACCA GCCAGACAAA
106301 GCTCTCTGCT TGAAGGGCTT GTGTCAATTCT ATCAGTCCTA CCTGGATAAAC
106351 CTTCTGTCT TTGCAATCACC CGTGCCTGTG TTAGTCTCCT AGGGCTGCTG
106401 TAACAAAGTA CCACAAAATG GGTGGCTTAA AGCATTGGGA ATGACTTATT
106451 CTCTCACAGT TCTGGAGGCT AGTGGCTAA AATCAAAGTG TCCTCAGGGC
106501 TGTGCTCCCT CCAAAGCCCT TCTTAAAGGA AAGGAGGCCT TCCTGCCCT
106551 TCCAGCTCT GGAAGCCCCA GGTGTCCCTT GCCTTATGGC AGCATCATTC
106601 CCATCTCTGC CTCTGTCTTC ACATGGCTC TTCCCTGTGT GTCTGCGTTC
106651 TCCTCTCTGT GGTGTCTGTG TCCAAACTTA TCACCTCTTA TAAGGACAGT
106701 AATCATGTTG GATTAGGGCC CACACCAATG GCCTCATCTT TACTTGATTA
106751 TATCTGCAAAC GACCTTATTTC CCAAATAAAG TCCTATTCAAC AGGCACAGG
106801 AGTTAGGACT TCAACATACC TTTTGAAAGG ACCCAATTCA ACCCATAACA
106851 GTGCCATGTA AAAAAATAGA ACATAATCAC ATGAATGGTA CTTCATCATA
106901 TTCAATTGGTC CCAGGGGTAA CGGCATGGAA TATTGGGTGG TGAGGAGGCA
106951 TTTTAAAT TCTGCCTTAC ATAGTCTTCA AAGGTGCCCT TTAAATAATT
107001 GTCTCATCTG CTGACTTACCA TAAAAATAGA TCCCATGTCA TCCATGGTGC
107051 CTCCCTGAAT GACCTCAGTT TATAACCTGTT CCTCCCTCCT CCAGTTTGAA

107101 GTATTGTCTG CCTAACAAAC AGGACTTTCT CATGGACTGC ACTGTTCTCC
107151 TTCCAGAGGG ACAGACTCCT AGAAACTCAG TGCCTGAGCT GATTACGATA
107201 TTTGGTACAA GACACAGTGA AAATGAAGAAA CTCTTCCATC CTTCAAACAT
107251 GACCAATTTC GTGCTCCAAT CCCCAGCAAA GGAAAGTTG CTTTGCTTT
107301 TTATTTTTT TTTTCTTAA ATTGTAAAGGC ATATAACAAA TTGCTCTGCA
107351 TTTTCTCTCA CATGGTTTG GTTGAAGAT GTCTTCTT CCCCAGCCGT
107401 CTGCTGTACC TCACTCTTA GCACACTCAG GCTCAGGCTG GAGTCATCTC
107451 TATGGCCACC TTGTGATCTG CCCTCTCTT TCATCTTCCC CAGAAGCACA
107501 TTCCCCACCA TGAGTGATAG CCATGTTCCA TCTGCAACTG GCTAAAATTG
107551 CACGGCACTT AGAGTCTCCC TTTTATCTCC CCTTCTTCCA GATGTCAAGC
107601 AAATTCAAAA GTTAAAGCAG ATGACTTTT TTTTTTCAAT GAAGCAAACA
107651 GGAGTCTTGT CAGTTCTGT GCTTACAAG AGTGTGAAA ACTGAATGGC
107701 TTCCCACTGT GTGTCCAGTT TGTTCTCTT TGCGCAATT CTTTGAGA
107751 ATTTAATTGT GCTAAATTAT TATATGATCA TCTACTCTAT CCAGAAAGGT
107801 TAGAGGTAGA ATTAGTCATA GGAAATCTTT TTGGAAATA GTTGGCTA
107851 TTTTATCAGC TTTTACATTC TCAAAGGTTA ATATGTTAAT CAGTTAATT
107901 TTTTTGACA TGACTATTTC GTAAAATAGC CTGAGAGTGC AAGCTTGGAA
107951 AATTAACACC TTCATTATTG TGTGGGTATG TGTGTTGATT TTTGTACCCC
108001 CAAGATGACA TGACACCCCT AGAGTCAGGA GGCTGGGTCT TATTGTTGCC
108051 GAGGTAAAGT TCCAGGCATA TCTGGTCTAA CAGGACCCAT GGAAACCAAA
108101 GCTTGTGTT GTGGGGCATT CTGTGAAGAA AGGATGATGA GGCCTTCC
108151 CTGAGGAAGG AATTGAACCG ATACCTTACA TCTCATTACC TTTGTTCAA
108201 AGGCAGAGTC AGGCAGGGTG ACAGGCCAA GTTCAGAGTT CAGTAAGCAT
108251 GAGCTCCAGT CTCATGCTA AGGGTCGTTG GCATACAAAA CCAGGGACAA
108301 ATCAGCTAAC TACTTCTT GTCTGCAAA TGAAAGCTCA GTTCTCTTC
108351 CAGGGACACT CAAGGATCAG ATGAGTTCAC AGAAATGAAA GTGAAAGAC
108401 TTCAGGGAAAG AGGAGGATGG TGAGCCAGGC CCAGGCAATA AAAAGACTCA
108451 ACGTAAGCCT TCAACTTGAAT ATGGGGCCCA GGACATGCTC TTAGAACCTC
108501 TGCTCTACTC CTGTAGCAGA GCAAATATTG ATTCATGCT CTAAGTGT
108551 ATGAGCGCC CTATACATCC CCAGCCTTT CCTGGCCCAT GAGAGGTGAT
108601 AAAAAGGAAA TATGCGGCAT GTTGGCAGC CCGTCTGGTC TAGTGGTAAA
108651 GATGAGAGTG CTCAGAGCGG GCCATTAAAT ACATATTGGT TGATCGAATA
108701 AATGAATGTC AAGCAAAATA TGACATGGCA GGATTTAGGC TCTACCTTTC
108751 CAGGATCTCA TAATAAAGCT AAAATGTGTA CTGTCGGAGG TAGAGATGGG
108801 TAGAGATCAT TGCTGCCTCA AGGACTTCAA AGGGATGAGA GAGAGGCTTG
108851 GGTGGCATGG CCTTGGCAGC ATGTCAGAGG CCCAAATCC CCAGCACAGG
108901 ATTAATCAGT TGAGCCTGTG CTCAGTCACA GAAGGAATTG AAAATCATGT
108951 AAGAGTGTGC TTCACTGAAG CAAATATGAG TTGTCACTGT TATGAACAGC
109001 ACATTCAGC TGAACGTCAA CCTAGGAGGT TGATTCTTGG GTTGGATT
109051 GGGGAAGCAG TTGGTAATT CAATTGTGC AAGCTGATAC TAGACGCC
109101 ACCCTCAGAG CCCGGATCAC AGATTCTAG ATGCTGACT TTTGCTTAGA
109151 TCCACACTCA CACACTCTGT GTGTGTGTG GTGTGTGTG GTGTGTGT
109201 GTGTGTGTG GTGTGTATTG CCCTTGTGTT ACTTAATTAGG GGAATCTAC
109251 CACATCTCCC AGGCACCTTC AGGACCCAGT GATGTGTGTA GCCATGAG
109301 GGCTCTGTT AAATGGTCAG ATCCCTCCAG AGATTTGAGC TAAACCAGCC
109351 ATCCCAAGGAC ATTAGACAGG GATGGCGTGA AAGCTGTTT GCAGATCTCC
109401 TGTGTGTAGT TTTGAAACA TGGTCATGAG AAGAATTGTT ATTCACCTCAG
109451 TCTGCAACTG TGTGGTCGAA CTGGGCATAT ATGACTTGGG TTCATTCTGA
109501 TTGGTCACTG CTCATGCTAT ATCCGTGTT ACATATTAG AAAATTACCT
109551 GCGAGTGCAG TGTGTGTG TGTTGTGTG TGTTGTGAA TTGTTGCTGA
109601 TGAAAACATG GTGGCCTTG GGATTCCAGG CATTGATTCC CAAGAGCCTC
109651 CCTGAGGACA AGGGTCTGTG TCTGTTCTA CTCCCATCTC TAGTTCTGCT
109701 AAAACAGACC TCACAGAAGA CAGGCCAG CAGGTGCTCA ATAAAAAGTG
109751 AGTGAGTTGG TGTGGATTGA ATATGTTAGGG AGGGGAGAAT ATGGTCACTT
109801 ATGAGAACTG AAAAGTACTC TGGAAAGTTG GAAAGGGCTT AAAAGGCATG
109851 ATCCTTTTTT TTTTTTGGT GACTGAGTCT CACTCTGTCA CCTAGGCTGG
109901 AGTGTGGTGG TGCAATCTCG GCTCACTGCA ACCTCCACCT CCCAGGTCA
109951 GGTGATTCTC CGCCCTCAGC CTCCCGAATA GCTGAGATTG CAGGTGTG
110001 CCACCATGCC CAGTTAAATT TGTATTTA GTAGAGACTG GTTTTCACCA
110051 TGTTAGCCAG GCTGATCTCG AACTCCACG CTCTCGTGTAT CTGCTG
110101 CAGCCTCCC AAGTGCTGGG ATTACAGGTG TGAGACATCA TGCCTGGCTG
110151 ATCTATTATT TTTAAAGGA TAACCTAAA TGTATAGACG TATCAATAAT
110201 GTATAGATGT ATAGAGTCTG TAATAATAAT CCTGGCTTCT ATCCACCTCT

110251 GTGTTGCAAT TCTTAGTAAG CAAGACCATG AATAATGAGT CTTGGGGAGA
110301 GGAAACTTTC TCAAACATTA TTTCACTGAA GACAGAGATG AGAGAATGTG
110351 GGATTAGCCC CAACAGCAGC TCTGGAAGCT CTAAGGAGAA GAGCTGGAG
110401 AGGCAGTCAC CGTGCAGGTA GGCACCTGAG GATTTATCTG GAAGTCTCAT
110451 TTGACACAGTA CACCCACTGC TCCAACCTCC AGTATGTATT TATTGGGGGG
110501 GTGCTAAAGA ATATTATGGG ATAGCAGAGG CTTCCCTCTC TCCAGCTGCC
110551 CCTCAGTGC ACCAGTGTGT AGGCTGGGT CCATGCATGG AGACAGACCC
110601 CGCAAGTCAC AGACAAGCCC AGTGCACAGA GCTGGGCCTT CAGAAACCC
110651 TCTGACCACT TAGTATGCGT TCAGCAGAAG CACCTCTAG ATAAAATCTT
110701 TCATGCAAT TTCCCTTCG TAAACCTCA CCTAAATCTG GTCTTCTTG
110751 AGAGCATCTC CTACTTAGAA AACATTTTC TTTTAGTTG TATAACCGTG
110801 TTCTATTATG CTTGCCATT AAAGAGCAAG GGGGAAAATG TAGGCAGGGC
110851 TTCTCTGGAA GCAGCAAGTT CATGCATCTG GGTCTGAATC ATATTCTAAG
110901 TTTATCAGAG ATGGATGCT ATGCATCATA GACTCCAATC CCCCAGTGCC
110951 AGGTCAAGGG GTTTCAGCCC CAGTACCCCT GTCTGCCTGC GTGACCCCCA
111001 CAGATTCAAG ATCTGATGTC CCAGAAAGAG GCCTGATGAG TGAGGATAAG
111051 GAACAAGCCT CAGGAGCTGC CTGAGCTGG GCTGAAGGGG ATGCAGAGGC
111101 TTCTCTGCC CCTCAGGCAA ACAACAGCAA AAATACTCTC AGCAGCTATG
111151 GCTACCACCT ACTGAGCATG CACTATGTGT TCAGCAGTGC TCTATGTATA
111201 TTATTCTGAT TTCCCCAACCC CCTCTATGAG ATAGGCTTTA TTATCCATCT
111251 TCTTCCATCG GGAGAGGAAA CTCAAGGAAG GTGACCATCT CAAGGTACCA
111301 CAGCCACCTG AGTGACAGAA CCAGGATTGG AACTCAGATG TGCCTGAGCC
111351 TAGAGCTAG TGACCTGCTC CCTCCAGGG AGGCTCCTTC TTCATGTGGA
111401 AGTGGGGGTC TCAGCTAATG CTGTGGTAGA CCCATTGCTT CAGAGCTGG
111451 CACCGTGGGC AGTGCAGTG AGGATGGGC CAGGGGAAGA GATTCTGGT
111501 TTCTTGTCA GTATAAGTAT GTTTATAGCA CGGCACCCAT GAAGGAACAG
111551 CAGACCCCTGG GCTGAGGTGG GCAGAGGCTC TTGGGGAGCC CAGGTACCCC
111601 TAGGGGACAA GTGAGGGAAAG AGGATGGGG TAGGGCTGGC TAAGACCAGA
111651 AGATGGGCAGG GAGGCACTAA GGGGGAGTC GGGCTTTGGG CAGTCCAACT
111701 GGACGTACAG GGGGGACAAG AGCAAGACTA GCTGCTGAGT GGGAGAGGGC
111751 GGGACAGTGG CTTACGATGG CTTGGTGGGG AAAGACTGGC AGTGCAGCCT
111801 GGTTGCAAGT GTTTGAGCG TCCCTTAGAA CCTCCCTCCT GGGACAGCCC
111851 CAGTCTCAGA ATGGGGCAAAG GGCAGGGAA GAGCAGGCCA GGATCACCTC
111901 CCTCACTGTC CTCGTGTCCC CATTCTCAT GGAGCCTCCC ATGACATCTA
111951 TCATGGGCA TCTGCGAGGG TATTGCGAGGG AGAGATACCA CGTCAGGGAA
112001 TGCAGGAGCC TCCCTCTCTG GTCCCTGGGT GATTCAAAGC CTCATGCCAT
112051 GAATGCAGAT CTTGCTCTAC AACACAGGTC CCAGGGCTCC CTGATTCTT
112101 TGGTGGGAGG GCCATGTGGC CAGGTTAGT GGAGAGGCTA AGTCAACTGT
112151 GGTTTTTTTG TCTTAAATCT TAGATGTCTG CACACCTGCC CTCTGAAGGG
112201 GGTTAGCATG AGAGAGAGAG AGCTGAGTGT CAGACCACGG AATTGGGCAG
112251 TTTCTCTCT TCCAAGTTAA CATCTGGAA AGCACCCCTGC ATTTTATCT
112301 ACAAGATTGC TTTCTTGT GTTTGACTG TTCCATACC TACAGACAT
112351 TTGCTACATC TCCCTGCTTT ATTTTACAGA GTGCACTACA TTCTACTAA
112401 AGGAATTGGG TGTAGGTGGG CTTGGATGTC AGAGCACATG CTGTGGAGTG
112451 TAGTGGCATA GTCAGAAAGTG AACGATCGGA GGATGGAATC TCAGGTTATG
112501 TGCTGCAGGT GGCATTGGTC CTTCTGCTCC CAGCGTCAGA GCTGCAGCAC
112551 AACACATCTG CCCTCCTCTG CCTCTGAACA TCCTCAAACC CAGCAGGAGC
112601 CCCAAAGACC CCTAAGCTAC CCATGCTGAG GCCACTGTCC CTGCGTTAT
112651 GCTCTTACTT ACTTCAGTGG AGGAACCCCA CTTGATGTCC TCACAGCCTA
112701 GTGTCCTCG CTTTAAACAT AATTCTAAC ACCTTGATCA TCTGATTCTA
112751 TGGCTATGG ACATTTAGAT GCAGGAAAGG AGCTCTCAGA GACAGATTT
112801 GGTCACAGTG CAGGGGACAG GTGCCACCC AAATGCAAAT TGCAAAAGTG
112851 GACAGAAGGC CACTAGTTA CACAAGGTT CCTCAAACCT CCCTCTAATT
112901 TCTCGTTAGG CCCCGGAGTG GTCCCCGGAG CAGAGCATGG GCTCATCATT
112951 GCTGTCACT GTGATGATCC TAACTCCCC ATCAAGCTCC AGAGACTTTT
113001 CAGTTCTCTC TTGTTAGAAG GTGTGAAAGT GTGTTATACC CCAGAGCAGG
113051 AACTCCATCC AAAATATTAA CACTTAGAAT AAAACATATT TTGTCATGTA
113101 AAGGCCTAA GCTCAGTTAT TTGGATTATC GCTCATCCCC TTAGAGATGT
113151 CCGCAAATGA ACCAATTAA GAGAATGATT TGTGGCAGCTT ACTTCTCCA
113201 CTGTTAGAAC AGCTGCCTCC TGGGTGTGCC TGCCACATCG TGGGATCCTT
113251 GCTCTTCTTCC CCAGCAATCA CAGTGAGTGG CCTGGAGATG AGTTGCAGAG
113301 TTTCTGTAG CTCAGAGTTA CCCACTATC CACCCAGGCC TTCCCCGAG
113351 AGGCCTGGTC GAGTTTGGC CTTGCTCATT AATAGCACGA TTCTCCCATC

113401 TCTCATACTG GCTACAATCC CTCATTCCA ACCGGTGTGT AAGTGGGCTA
113451 GCATGTGTGT GGATCCTTCT CACAAATGTT TCTGGCTGCT CGTTCCCCG
113501 GATGGATTCC TGTCAAGGATG CTATGGGACA AGACATGAGA CATCCCACCC
113551 GCTTGTGA TTCAACATGG ATATGTTGC TTTTCTGCCT CAGAATGGAG
113601 ACAGTTGTTT ACAGCCTCAC CAGTCAAAAT ATTACTAAA CGTAACCTAC
113651 AGTTCAGGA TTGAGAGGAA GGAAAACACA CAGTCACTT TCCATGTTGA
113701 TAAAAACATT TGCAATAAGAT GCCTTAAAT GCAAGCCGGT GCCCCTCTGT
113751 GTGCCAGAGG GATGTGCTCA AGGTGAGAGT CTCAGGAGCG GGGTTCCCTC
113801 AGCACACCCG GGCCACAGGC CCTCTCTGT TAAATGTCAT ATTGAATAA
113851 ATGTGCACAT AAACCAGGTC ATACTTCA AAGGGATATC AGGATTTCAC
113901 ATTTTCTCAC ATACAGTTA GCCCCATGGA ATTCAAGACTA AGTTGATCAA
113951 AACCTATGAT AGGAATCCA GAAGGTCAA AGATGCAGTT GTTGAACATT
114001 TTATCTTCAA AAATTACTGC CTCTCACTGT ATTCTGTGGT GGCAGGATAT
114051 CCAAAAATGC CTGAAAATGT GCTTCAGCG CAGGACTCCG TTTGTGTTAA
114101 TGTCGCTGG GGACATTAGT ACAACACCA GTGATTCACT GAGCTCACTC
114151 CTGTGTGATG CTAGACTGG AAAGCTTTA AGGAAATTAA ATTACACATT
114201 CATAAACAC AGTGTGTAA AAAAAAAA AAAAGATATC ACAAGTATCA
114251 TCTTAGGCAG GATAACATAG TGTTAAGGCC CCAGTGGCAG GTAAAAGTTG
114301 CAAAACCATC ACACATGAAG TCCTCTATCA TCCCAGATT CAGGGGAAGT
114351 GGAAATCTCT TCCCTTTCTT TTTCTTTCT GCTGTGGTT ACATGTTATT
114401 AAGCACGCAG TAGGTGTGTT TAACTCTCT GTCTCTCAGT ATCCATAACT
114451 GTAAAATGGA TAATAATACC TACCTCACAG GGCCTGTATA GGAACCAGAT
114501 ATCTTAGTAT GGCTAAAGTG CTTAAACAG TTCTGGCAC ATAGTAAATA
114551 TGCTATTGTT TTTACACATG CTGAAGCTCT GTAATTCACT ATTGGGATT
114601 CTTCTCTCATC ACCTTGTGTA GTCTGAAGCA GTGATTGGCT GGGGGCTGGT
114651 TTCTGTCTCA GAAGAAAATA AATATTGAAG AAAGGGCTA GAAGGTTCAA
114701 TATCCGGCAG AAGGACGATC TGAGTTGACC CTGGACCCCT CCATTCTCCT
114751 CAATCCAAAC ATATAGAAAA TAAAATATTA CTGGGGAAAA TGTTTATTTT
114801 TCTAAATATA TGACTGGACT TGAAGGTTAG AGAAATTCT AGGTACAAAAA
114851 ATGAAACAAAC CACTCTCAA GGCAGTGACG AGTGAGCAAG CCAATGTATC
114901 GGCACCTCTGA GTTTGAGGG GGCAGCGTCA GACCCAGCAC GGGCCACCTC
114951 AGGGCTAGTG GCAAAGGCTT TTATCTCCAT CCCAGGACAG CAAGTGTACT
115001 TTGGGCCTGC ACAATACAGA AAGGATTCTA CTTAAGGCTG AGACCTGGGA
115051 GGACTGCCCT CTCTGTGAAA ATGGGACTA AGAAAATT TT ACCTAATGGT
115101 CAAGGAATGT GGCAAGTAGC TTGTGGCTG CCTAGACTTT GAACCACATT
115151 GAATTACAC TACTTACACG TTACAGAAAT TCTAAACCTA GAAATAAAACT
115201 TAAAGATAGG TCCCGATCA GTAAAACAC TAGAGCTCCT AGAGAAATAC
115251 ATGCAAACCC ATTATAAAGG ACAATCTCCA CACCAGAATA TACAGGATGC
115301 CGATGGAAA AAGAAAATCT CAACCTACAA CATAAAATTG CAGATCATAA
115351 GGAACAAATT TGCCATCGGG AAGAGTTAAC CCCAGACTCA CACACTGGGG
115401 TTAGCTCCTT CAGAATCTTC ACGTAATAAA ACACAATGTA AAAGTAAC
115451 TTTAAAATC TATGTTGAA ATTATTAGAA TAATAAAAAG AAGAGAATTA
115501 TAAAGAAGGA ATTGTAGGGG AAAAACAAAGC AAATTTGAA AAGTAGAATT
115551 TCTAGAAATT AACATTATT AAATTAATAA TACAATAAAT GATTTAAAAA
115601 CATATTAGGT ACAGCTGAAG AGAGAATTGT TGAACAGGAA GATAGCTCTG
115651 AAATTACTCA GGAAAGAGCT CAGAGAGACA CAAAGATAGA AAATATAAAA
115701 CAGATATTAA GAGAAAATAT TAAGATATTG AAATATTAAAG AAATATTGTT
115751 AAAAGATATT ATTAAGAGTT TTGAAGAACAGTAGGGTAG TCTATAAGAA
115801 AAGCGTAGAG GAAGTGAGGG AGAAGAAACA CTGGAAATGA TAATAGCTAG
115851 ACCTTTCCA AAATTTTTT AAAGATATAA ATGCCTAGAT AAAAGCAGCA
115901 CTCCAAATCA TGAACAGTAT AAATACAAT TATGTTACAA TGATCTGCAG
115951 AATACCAAAG ATAAAAAGTG ACCAAAGAAG AAAAAGAT TCTCTGCAA
116001 GGAACAATT CTAATTGCAA ACTTCATTAG CAACAATGGA AGCCAGAAGG
116051 CAATTGAAATAATCTTCA AACAATGAGG TAAAATAGTC AACTTAA
116101 TCTGTTGAG AGTGAAGGG AAAGATACTC TCTGATAAAG ATTTAAGAGG
116151 TTACTGAAGA GGTTACATAA ACTCTTACTG AAAGAACTAA AGGTATATAT
116201 ACTTTAGGAG GAAGGCATT GACCCAGAA GAAAATAATG TAATACATA
116251 ATTGCTAGTG AGAAAGGGAA TAGGAAAAA CATAGGCATA ATTATAAGTA
116301 AGTGTGACT GAAGAAAAGC ATTGATAATA AAATGACTAA TTTGGGTCA
116351 TTTAAATAT GAAACAAGAG ATGGTGATGA TGGTCAGTAC TAAAGAATT
116401 TATGCTTCTT GTGTTATTG AGAAGATACT AGGCTTAAAA AAACCTT
116451 CGTTAAGTCA GAATGTATAT TGAAAATTAA AGGTAACCT GTAAAAGAAA
116501 AGAAATAGAA TATAACCTCT AACAGAAGAG TCTGGAAAAA AAGAGTTGGA

116551 TAAATAACAT TCAGACAGCT CAGTAGATTG CAGTCAGTA GACAGCAGAG
116601 AAGTAGACAA AATGAAGCAA AGTAAAGGCAGA TCATAAGTGG TAATAATATA
116651 TAGCAATAAA AATAATATTA AATAAAACT CAAATTAAGT TGGCAAAAAC
116701 TGAATATATC AGTAATATGT TTTAGTGGAT TGGATTTATC TGTTAGTC
116751 TAGCAATTT CAGATTGAAT TTTTAAATAA CACGGATGTG CTATTTACAA
116801 AGATCATGTC TAAATATAAT GGCACAAAAT TTGAAATGAA ATTAATGAA
116851 AATATATGCT AACAAATACT AAAAGAAAAA ATTAGGCCAG GCGCAGTGGC
116901 TCATGCCTGT AATCCCAGCA CTTTGGGAGG CCGAGGTGGG TGGATCACGA
116951 GGTCAGGAGA TTGAGACCAT CCTGGTTAAC ATGGTGAAAC CCTGTCCTA
117001 CTAAAAAAAT ACAAAAAAAT TAGCCAGGCG TGGTGGCGGG CGCCTGTAGT
117051 CCCAGCTACT CTGGAGGCTG AAGCAGGAGA ATGGCATGAA CCTGGGAGGT
117101 GGAGCTTGCA GTGAGCCGAG ATAGTCCAC TGCACCTCCAG CCTGGGCAGC
117151 AGAGTGAGAC TCCGTCTCAA AAAAAAAA AAAAGAAAAA ATTGTTGTA
117201 GTAACATTAA TATCAAAGTA TTGTTAAGG CACAAAAGCA TTATTGGGTT
117251 TACTGCACAG TGACAAAAGA AACAAATTCA TGGGAACACA TAATAATCAT
117301 AAACCTATAT GCACTTAACA CAGCTCTAA ACAGACATAA TGCAAAGCCT
117351 AGGAACCTAT ACAATAACAT CGACAAATT ACAATCTACA ATAATGGGAT
117401 ATTGTGACAC ATATTTTAT AAAATGATGT CAAGCAAACA AAAATTATT
117451 AAAAACAAATT TTTTTTCTT TCCAATTTTT ATTTAGGTT CAGAGGTACA
117501 TGTGCAAGTT TGTATGTGG GTAAACTGCA TGGTGCAGGG TTTTGGTGA
117551 CAGATAATT TGTCACCCAG GTAAACAGCA TAGTAAAGAT AGTTGTTTT
117601 CAGTCCTTAC ACTCCTTCA TCTGAECTCC ACCCTCAAGT AGGCTCTGGT
117651 GTCTATTGTT CCTTCTTGT TGTCCTGTGTA TACTCAATAA AACTGGATA
117701 TTTGAAAATG ATGACTAATA AGATTAATCC ATTCATTATA TGTAAAAC
117751 CACACCTAAT ACACATTCT TGCACTGCACA ATACAAAAAT TAGCCACATT
117801 CTTGCCACAA AACAAAGTTT TAACAAATAAC CAACTAATTG ATAGGCCATA
117851 TTCTTAACT AATTGCAAC AAAATCATAA ATTAATAAAA AGCCCAC
117901 AAACCCATAC ACTTGGAAAC TTTAAACAT ATTTGAAAT AACTCAAGGA
117951 TCAGAGATA GGTCTTAAC GAAATCGCTG AAAGTTTGA AGCAAGCAAT
118001 AATGAATTCA CTACATATTC AAGTATATAG GATGCTGCTA AAGCAATACT
118051 TGGAGAAAAA GTTATAGCCT TCAGTATAAT TTAGAAAAT TAGAGCCAGT
118101 AGTCATCTC AAACTTAAA AATAATAAAG AAAAGAGCGT GCCTTAATAG
118151 AAAATAAAAGA AGCAATAGT AGGATCAAGA AAATCAAAT CTGGCCCCCT
118201 GGAAAAAAA AAAAAACTTT TAAAATTGTC AACTCTGAC AAGACTGGCA
118251 GTAAACGCTT ATGTGCCAGA GACTGTTCTA TGTGAATTAT GTTTAATT
118301 ACTCAAAGGT CAAATGACC TAAGAAGTAG ATCAGTTTGT TATTAATT
118351 ACCACACAGC TACTAGTACT CTGTGACACC TGAACAAAAC ACTTCTATT
118401 TAGGACATTC CGGCATTTT CATGGCACCC TGCAGATTAA AAAAAAAA
118451 AACAAATGAGG CAAAGATGGG AGACTTATGA GGAAAATACA TGTAAAC
118501 AGCAGGTAAA ATTAAGTTA TAAAGGCAAG AACTGATT GACAAAGAGG
118551 AGAATGTCT GTACTGAGAA CCTGGAATGA GATGTTTCCT GGCAGTC
118601 GTTAGCATAG AAACAGGTAT TTCCTGGCAA AAGGAACGAG TTGTAGGAGA
118651 TGATGTCACT GGTTGCAGTT GTAGGAGATG ATGTCACTGG TTTCAGGCTG
118701 GAGGCTGGCT TTCAGGGCTA GAGGTAAGCC TTTGATCTCA CTAATGTC
118751 TGGGCATCTG TTCAAATGTC AGTGATAAGT GTCTCCTTGT CTTTGTC
118801 CACCTAGGGA GGGCATCAGG GCCCTACAGG TAGAGCCAAG GAGCTCTT
118851 GGTCAACATG GAGTGGAGAA GCTGGGCTA TTTTGGGGGT GACATACTAT
118901 GTATCCATTG CTCAGACAGC TCAGTGTGCT GTCTATGTGC TAAAAGGGAA
118951 CTTTCTTCCA CCAGAACTGG CATTGGTCCC TGAGCCTGGC TCTTGCA
119001 TCTTCTTAAG AATTTTGA GAGTCTTAGC CCCAAGTTCT CCTGAATTT
119051 ACAGGGATA TCTGCTAGCA GAACCTTCTA GATAGTACCT CAAAGGCATT
119101 CTAGCATTTC TCACATTGAAA AATGGAAGCC CCTGGGATAG ACATGTGACA
119151 GAAAAAAAAG AAAAGAGAAA TGGAGGCCCT CTGTGCTACT TTAGGTGGTG
119201 GCAATGGAAG TCACATTGCA ATACTGCCAC ATGTGTAGGA TTATTACATT
119251 ATTTAGCTGA CTGAGTTCTT CCTCGCTCT CATGACACTT GGGCCCCATCC
119301 CAACACTCGAG TGCAATGAAC ATCTCTGAAG AGGAACCAGG TTTCTGCA
119351 GGACTAGGCC AGGCAGATGC CCCACAGAAAG GTTAGCCGAG AAACGGGTT
119401 TCCAGAGGGT CTGCCCTATC ACTTCAGAGG TCCAGAGTTT GGTATTATC
119451 TTAAGAATTG TGGAATGCTTC TGGGCCTGAT TAGTAGTGGC ACCCCGTGCC
119501 AGGATAGGAC CCAGAGGAAG GAGGAGTCAGA CCATCTAATA GCATTGATTG
119551 TGCTCATTAA ACCCCTGCTA CCTGGCCCCCT CTCAGTACCC CTACCCCTG
119601 TCCAATGGGG GGTTGACAAG ATGGCCTTTT GGATAGGTCC TACAGCAGGA
119651 GCTTGGAGT TTTCAGGCTC TGTGAATCTC TCACGGGCAG TCTCCAGATG

119701 CCAGAGAGTA GGATTAGTTA TCTAGAGGCA GTGGGAGGGG TGAGGGGCAT
119751 CATGGGGCCC ATGAGATTGG GGTGAGGGTG GCCCTCTGAA GCACTCATGG
119801 CTCATTTGCA GCCAACACCC CCATACCCAC TCCCATCCCA CAGAACGCTCT
119851 TACTACTATG TTTTCATTTC CCTCAAGAAT AAAAATTGAC AATGGTTTGG
119901 GAATTTACTT CCAAATCTAC ATTTTTAATA GCATATTTCT CATCTAGAGA
119951 TAAACATGAT TTCTACCTA CACATGAAAG GACATGTCCC GTCATCAATC
120001 TGTGTAGATT TCTTACCAT AAGAGAGAGC TTGGCTGGGT GCAGTGGCTC
120051 ACGCCCTGTAAC TCTCAGCACT TTGGGAGGCC GCGGTGGGCA GATCACTTGA
120101 GGTCAAGGAGT TAGAAACCAG CCTGGCCAAC ATGGCGAAAC CACATCTCTA
120151 CAAAAATATA AAAATTAGCT GGATGTGGTG GTGGGTACCC GTAATTCAG
120201 CTACTCAGGA GGCTGAGACA TGAGAATCGC TTGAACCCAG CAGGCAGAGG
120251 TTGCAAGTGTGAG CAGAGATTGT GCCACTGCAC TCCAGCCTGG GCAACAGGGT
120301 GAGACTCCAT CTCAAAAAAA GAGAGCTCGT CGCAAAGATT ATCTTAGCTA
120351 TCTTGGCTTT TCTTTTTAA AATAATCCTA AACAAATGCAG GATAATTATA
120401 TCAGCAAAAAA TCAAAATTAT AAAATGCCAG TAAACAAACCA TATGTGTATA
120451 TGGTAGCAGA TATTCAAATT AGCTCCAGTC CTTAAAGCA TCAGCTGTT
120501 AGGAAGAGGT CTGAATTCTA TTTCCCTCAC TATCTTGTGTTAGTAGTGA
120551 GCACTTCCCT CTTTGAATGC CAGTTTCCC ATCTGAAAAA GGCTGGTGT
120601 TGACTGGTTG GTCTCTTCA GACCTGATGA TCTACGTTG GTTCTAAAGA
120651 TGGCAAAACT GAGGCCACCA CCAGTGGGGA GATTGCCCCA AGTGTCTCA
120701 GCAGCAGAGT TAGAGCCAGA CCCGGTGTCT GCAGGATTAAAGTAGCTA
120751 GAGACAGTCA CGAAGTGTCTC ATGCTAGTCC TTAGCTGTGG CTCAGTGGAG
120801 GGCTGGAAAT GAGCTCAGTG GGGCAGTTGC TGGGGGTGGT CAGCACCATC
120851 CTGAGATGGT GAGGTGAACA CAGTCCCTGG CCACACCTGT ACAGGGAGAA
120901 GCACCTGCAT AGGGAGAAGC TTTCCATGGC CAACCCCTCT TTAACAGAG
120951 AGGACTCGTC ATCAACTAGG CACCGTGTG AAATGTACAT CAACTTGGGA
121001 GACACTGGCA ACAACCCCTAT GGGGTACAGC TTCTACATT AATAAATGAA
121051 AGCCTGAGGC TCAGAGGCAG GAGCTCACCT GAGGTACAG AGATTGATGA
121101 ACAGCAGAAC AGTTCAACAA GACAAGGACT CTGCCATTGAC ATATGCAGGG
121151 ACTTGTGAG TGATGCTGAA CCTCAGAGTG GCTCATGTC CATCATCTGC
121201 AAGGAAAGAT GGTGACAGCT CAGATTGCAG AAGGAAGTGA ATATCAAGCA
121251 GCAACATACG TCACAGGCAC CTTCTCTTG CTGTGTGTGA TCATCCTGAA
121301 CCCAGTCACC CTGGGAGGAG TGCAAGGCCA CGTGCCAAGT GCAGGGAGAT
121351 GTAAGGGCAT GACTTGGGCA GTGAGACAG GAGCTCTGTG TCAGGCCCTC
121401 CACGTGCTCA GAGAGGAAA TGCCCTACATC AGAGCGTCCT CTTGAGCAAT
121451 GTGCTCACAG GGTCTTCTA TGCAGTTCAT TGGTGTATGG GATTCCAGAA
121501 TCAGACCCAC TACCCCCAGA TACAGCTGCT GGCAAGGGTA ATATAAGTAA
121551 GTGGCACTCC ATGGCAAAGC TGTGTGCTGT AAGGGTGTGC AGTTCTCAGA
121601 AGCCAGGGTC AGGGGCCCTCC TGCCAGTGTCA ACATGTCAGG TGGGACCCGG
121651 ATTCTCCCCT ACTGGCTGCA TAACTTGAG CAAGTTATCC TCTCTGGGCC
121701 TCAATTCCCT CATAGGTCAA ACAGGGATAA CACTACTTTG CTCTGTTTG
121751 TGGCGCTTCA ATATGTATGT TTGTGCTAA GAAGGGTGTGG TTCAAAGTTC
121801 CTTCTGCTCC GCCCACCCAC CGCCAGCTCC TGCTCTGGGA TCACTGACCC
121851 CTGTGAGACC ATCACTTCAG ACCAGGAGCT GGGGTTTGGC AGGGTGAAGA
121901 GGGGCCGTT TCTAGGTTTT TGCAAGTAACA CAACTGTAAA GGGTCACCAAG
121951 GTTTGTTTTG GCTTTCTTAG CACAAGAGAT GAGAGTAGCT TGTGTGCGGT
122001 GATGGATTTC TCATAGGGAA ACACGTTTT CTTCAACTTA TCTCCTCAAA
122051 TGCCTCTTCA GATGTGGTTG ATGATTAAGC TAGTTTTAAA GAAAATGAAG
122101 GACAGAACAG GAGAGGGAAAC GCCTGCTGCA ATTATGTCCC TTTCTCTGT
122151 TCCTCAGAGA AATCAATCCC CCCTCCCTG CCGCTCTCT TCTCTTCTTC
122201 CTCTCCCCCA ACCTGTCTCT CCCCTCTCT CCCTCCCGCT CTTCATCACT
122251 CTCCCTCAGT CTCTCACTGT CTCTGTGTAT CTCTCTTCCC TTGCCCTCTC
122301 TTGGCTCTG TTTCTCCCCC CCCCTCGTAC CCTGTCCTCC TCTTACGTC
122351 TCTCTCTGAT ACTCTCGTAG TGTGTGTG TGTCAGTC TCTTGCTCCC
122401 GATCTCTCTC TCCTTCCTTC CCCCAATCCT GTCTCTGTCT CTCAGGGGCC
122451 TCTGCCACCA CCTTGCTTAT TCTCCTCCAT GAGCCCGTGT TTTTACCGAT
122501 GGTGCGCATGA AGGCCACATG TTCATGAGTG TGAGCCATTG TCACCGTGAG
122551 TGCCATTCCC CCAGGAGCTG GGCTTGTGA CTTCTGCTC CCTTGGGAAT
122601 ATGCCCATTT ACCAATGGGA AGACAGGCTC CATAGCCCC AACTGGAGAA
122651 AATTGGGATT TGCCACTTGA AGGAGAGTTT GTTTCTGGA AGAAGCCAC
122701 TGTGACAAGT AATGTGTCAAG ATAACGTGTGG ATCAGGAACA AAACATGTCC
122751 ATGTACAGTG GGTAAGATGC TCCCAGGCAC TCGAGGCAAAC CTCAGCAAC
122801 TCAGCCCTGG TCCGTACAG TATTGACTC TTAGGCCAGC AGCTGGGTG

122851 AGTTTCCAG GGCCAGAGTG CTTGCCGAGG ACCCGAACGT TGCTGCAGCC
122901 TGAAGGAGTG CCTCCTGCCT GCCCCTGCCAG CCCACTTAGG ACCGCAGCTT
122951 GTTTCAGCT GCAATGGCTC CTGCTATTG CATATTGCT TGGAATGTGC
123001 TGATTATAAA TCATTTACCT CTCTTAAAGT GGGTTAAAG GACCTCTGCT
123051 GAGCAGCAAG TCCTGGCCAT GCTTCCTTAG CCTAATTGTA GTTGCTGCAT
123101 GTACTGAAAT TAAATTACTT TTCACTTCA ATGTTCCCAA ATTCAAGCTGT
123151 TGCCAACACA GGCTGGCTGT CCTCCCAATT AGCCTGAACC AGCAAGGTCT
123201 GCCTGCATGG GAAGCTGCAG CATTACCTGC CCATAAAAGGG TTCCCTCCTG
123251 CTTTCTCTGT GAGTCTCCAG GCAGATATT TTCAGCATCT GCTCCAAAGA
123301 GCTGGCTGT AATGTGAAC CTGCCTCCTT GGTTGTTCAAG AAGCACATGC
123351 TTAAGAGAAC AAATTTCTT ACAGCAGCGG CTGCTGAAGT GTCCTCTTG
123401 TGGCCATTGA AAGAAACTCT TAGAATGTCT CATGAAATTAA TTTTCTGGAC
123451 AGAGAAATGG CACTACCTGG GGCAGACACA TTTCATTTT AAACCAAAAT
123501 TTATGGTTAC TGTCAAGGGT AATATTAATG TTTTAAAATC CTTGACAAAG
123551 AAAAAGGAGA AGAGCTAGAA AGTTCTTGG CTGAAGTAC CTTCAAAACC
123601 ATGCCTGAAT TGAGCTTGAT TCTGAACCTGC ATGGCACCTT TCCCTGCAGC
123651 AATAATAAGA ACTGTTACCT AATAAATACA AGGTGCTTAC ATTTAGAAAG
123701 CTCTGAGCTG TCACATTCA GATCTCAACT AATTCTATGA CACCTATGCA
123751 AAGTAAGAAC GAAGGAATCC CCATTTCACA GAAGGGGAAT ATGAAGCCCT
123801 CACACTGACA TCGGTTGCAG AAGTGTGGCT ACATTTCAAG TGTCTGACC
123851 CTGACCGCTG ACACTAGGCT CTTTCACTG TGTATGTT TTACTTAAGA
123901 GACGATAGAG ACCATGTG TGAGCAGCGT GTAGAAAGGG CTTCCACCAA
123951 GTGCAAGATAC AGCAGTGGAG GTCTAGAAAG CAGGAGAAAT TCTCTTATG
124001 TTTTGGCAAA GGCAGGATGA GAATTCTAAG ATGACCTGTT TTAAACCTTA
124051 TAGAATAGCA TATTCTCTT TGACACATGA TGATTCTTGT AAATGTAAGA
124101 GAATAAAGT TTCTCTCAT GTGGCTAGT AGATATCTTC TATTCTCCT
124151 TCCTCTGGG CTACTGAAGA AAACCGAGAT TTCTTAAATC TTGGTTAAAG
124201 AAAACCGAGT GAAGAAAAAAC TCTATTCTT AAAAAGTTT ATTTTATAAA
124251 GTAGCCTCTC CCAGTGTCA CGTCAAAGTT CTGTGTGAGA AGCCTTCAA
124301 TGAATGCTG CTTAAAGCTT TTTCTCCTT CCATTTCAT GTTCTGCAAA
124351 GAGAGGGCTC AGAGATGATG ATGGTGCAC TTGTGCAGGG CTTCCGTTT
124401 GCTTCAGGAG TCCATGCCTG GGAGAGGAG ACATTGCCA ATTTGCTGTA
124451 CAGCAGAGAA GGTGCCACAC CCAGGGAGAG AGAATCTATA TGGACCTCCT
124501 ACTTAGGCAG AGGTGTATGT GGAGGAAGGT AGAAGGAAGT GAAAGGCAGC
124551 CAGGTGGCTG GAGCCAGGAT GAGGAGAGCT GGAGATTGA GGTGGGGTA
124601 GGGAGAGAAC AGTCCAGAGA AAGACAGCAG GAGTGGACAT TCTCGCTTGG
124651 AGGCCTGGCA GGCTGCAGGG AGGAGCCACA GACAGGAAAG CCTTTATAGC
124701 CAGCACCTCT GTAGTGCAGA ATGCTGGCA AGGCCTTGCC CTGGGTGAGA
124751 GCCAAGGAGG CAGCCTGGG GCTGTATAAC AGAACTGGCA GCAGGAAAGG
124801 ATTTTATTTC CTGCTGAGCA TGTTCTGCCCT CAACCCAGAG GCCCCTACCT
124851 GCCCTGGAGA CCTACTGATG TCTCCCACTA CCATGTCCCG CCTGTGCCTT
124901 ACTGAAACAC AAAGACTTAT CATGAGAAC TCCGAAGCAC CAAAAGGAAA
124951 AGGCTGGATC ATGACCTGGC CTTGGCCTCC AGGCTAAATA ATGAGGCAAC
125001 TCTGAAGCCA GTGTCAGAGG GTAAACTGTG ATGAAAGAAT AGATGATAAC
125051 TAGCCCATCC ACGGGGGACT GGAGTGCCT TAAATGGTCA GGCTTTAAAG
125101 AGGGTCCAGT CAGAGCCCCA GCCAGCTTAT CCTAGGCCCTT TTATTGGGAT
125151 GGGTGTAGG AATGGGCTTC TGCAAGTCCAC ACACATGTAG GGGCATGTAC
125201 ACTTGCAATCC CTGAACAAGG CCGGCCTTCT GTACATGCC CTTTGCTGGG
125251 CATTGTGCT ATCTCTGTAT TAGTTCATTT TCTTATTGCT ATGAAGAAAT
125301 ACCCAAGACT GGGCAATTAA CAAAGAAAAA GAGATTTAAT GGACTCTTAG
125351 TTCCACATGG CTGGGGAGGG CTCACAGTCA TGGTGGGAGG TGAAGGAGGA
125401 GCAAAGGCAC ATCTTACATG GTGGCAGGCA AGAGTTTGTG CAGGGGAAC
125451 GCCCTTTATA AAACCATCAG ATCTCATATA AGTCTTATTC ACTATCATGA
125501 GAACAGCATG GGAAAAAACCT GCCCCCATGA TTCAGTTACC TCCCACTGGG
125551 TCCCTCCAC GACACATAGG ATGATGGTAG CTACAATTCA AGATGAGATT
125601 TGGGTGGGAA CACAGCCAA CCATATCATT CTCCATAGGT GGCTTTGGTC
125651 CATGACAGCC TGCAAGTTC TTTCAATGC TCAGGCCTGG CTCTTGGCC
125701 CAGGGTAGTC TGGATTATCA GCAAGGGGCC CAGGAGTCAT CATTCCCAGG
125751 AAATGCAAGAG CTTCCCTGTA GGCTTGCCT GAAGTTCCCT CCTGCCAATT
125801 TGTACAGCTG AGGGATCTCA GAGCCCCCTGC CCTCCCTGGG AGGCCTTGGG
125851 ATCCCCACTC TCGTGCATAC CAACACCTTC TCCTTACCTG CACACCCCTGC
125901 AAGCCATGTG CTGTGGTGAAG ACAGCCCCCTG CCACCTGCTC ACTCTCACCA
125951 TAGCTGGGGC CCCTGGCGTC TGTTCTGCT GTGGAGCTGT GAAGGCTGT

126001 CTGTGGGTGG CCTGGCTAGT TCTCTGGCAG GGAGAAGTGC ACCATGGGCA
126051 AGGTGAGGGG TCAGCCTCTG TAAGCCCTAC AGCATTCTCT GGAAGCAGTC
126101 CATTCTGTG AACTCTTGAG GGCTGCAAC AACCATGGCT GAGCCCAGAC
126151 TAACCTCTGG GCAGCCCCTA CCCTGCCAG TTATGTTCA TGGGAGCCTG
126201 ATTATTTTA ACAGATTCTC CTATTGTTTC AGTTGCTTGT AGTAAATGTT
126251 GCTCTGCAGC ATTGATGCTA GGGTAGTGCC AGCCAGAAC CTGTGCAATG
126301 CTCAGATCTG GCTCTTGCG CCAGGATAGT CTGGATTATC AGACTGGTT
126351 TATTTTCTT GGCATTGAG TCTGCCCTC TGATTATCTT TCAAACACAC
126401 ACTTGCATGG CATTCCCTC CATACTGAGC AGATTCCATC AACAGCTTG
126451 GGATTCCACT TTTCTTTGC AATATGGACG TTTTGCCATC AGTTGCATT
126501 AGCTGTTAGT GAAACTGGCA CTGCATCTGC AGGCAGACAT CGCCAGACCG
126551 CAGCACAGTT CATCTTCAGA TGTTTCCTT TTCCATGTTG GTGGCAGCTT
126601 CCTTGCTCC TTCCCTCCTT CTCAAGATAA ATTCCCCAAA GCTTGGACCC
126651 AGCACTTCT GCCTATTCTC ATGGTTTTG TTGGGGTATG AATGCCCTAG
126701 ATGGCACAGA GAGGCATTGG AGATTACAG CCCTTTTAT TATGACTGCA
126751 CTTGAGCTGC TGTCCCAGCA GCAGACCTCT TCCTTTGAT GACAGGTCAA
126801 TTGGTCAATT CGGGGTTGCT CTGTTGGCTT CTCATCAGA CTGTAAGCTC
126851 CATGTAGGTA GGGTCTATGT CTGACTTGT CACCCCTGTG AACCCAGACA
126901 GTGGTCCAGA GCCTGGCACA TAGTGAGCAC TCAATAAACAA TTTATTGAAT
126951 GTACAAATAA ATAGAATGTT CTTTCAAGCT GAGCAGCTGA CTACCTGTGA
127001 TGAGTTCCCT TAAAAAAGCT TAATAGCTT TTTTTTTTT TTTTTTTG
127051 GACAGTCTCA CTCTGTCACC CGGGCTGGAG TGCAAGGGCG CAATCTTGGC
127101 TCACTGCAAC CTCTGCTTCC CAGGCTCAAG TGATTCTCCT GCCTCAGCCT
127151 CTCAAGTATC TGGAACATATA GGTGTGTGCC ACCATGCCCA CCTAATT
127201 GTATTTTAG TACAGATAGG TGTTTGCCA TGTTGGCCAG GCTGGTCTCA
127251 AACTCTGGC CTCAAGTGT CCACCCACCT CAGCCTCCCC AAGTGTGGG
127301 ATTACAGATG TGAACCCACCG TGCCTGACCA ATGCTTGATA GCTCTTGAAT
127351 GATCAGTCTC AGAAATAAAA CTTGCAATCC AGATTAACGC CAACCAAGAG
127401 TAAACATCT CAAGGGCAGA GAGCAACATG CTCACTGCTC ATGGAGTCAC
127451 ATGTACTGAC CTCAGGACAT CCTTGGTAAA CAGGGCAGTG CACAGCCCT
127501 GGCAGGCTAG CTTGTTAGGG CTTATTAGGC CAACAGCCAC GGTCCCTTCC
127551 AGCCTGGTT CCACTGGAAC CCAGGGGTT ACTCGGACCG CTGCTATGTC
127601 ATGGGCTGGC CTGCCTTCC CACACACGG GGGCGTAAAT GTGATGTGG
127651 GCACCTGCTG TTTGGTGTG GGAGCTGCTC TTTCTTGGG AGTTTGCTG
127701 AAAGGTAGGT GAAGCCTTAG GGAGAAATCT CATTAAAAA TCAAGTTCC
127751 ACTTCCCAGA GAAACAGAAG AACTATCATC CACTAAAGCA TTTCTTCAGG
127801 ATCATGAAGA AGGTTATTCA GCTGGGGTGG CAGCATCCGG AGCAGAGTT
127851 TAAGGTCTAG ATGTTAGATT GCAAGGGGAC TGCCCAGAGG CCTCGTGGG
127901 GAGAATACAG TGGAAAACAT TGAGGCAGAG GAGATCCTGG CTCCCACCGC
127951 GTCCATACCA GGGCTCTGTC ACCCTCTCTC CAGGAGCTGG GCCCACAAGT
128001 AGAACCGGCT TCACGTTGAT CCAAGCCAGG TATAACCAGG ACAAGGAGTG
128051 GCTGGGGTTG ATCAGAGAA TGTCCCCTTA GGAAACACCT TGGTGACTTT
128101 GAAAGCCATG TGTGCTATT CAGAGGTCTC TTATACCCAC ACCTCTCACC
128151 TTCAGTCCCG CAGGATGACC ATGAAGCACT TTGGTGGTAT TTTAAGTGC
128201 TCGGTTCTG CGAGAAACTC AAATAGTAGT AATGGCAAAT ATTTACATAT
128251 GGCTTATTCT GCACCAGGT CAGGTCTCAT GGTGAAAGGT TAATATTATG
128301 GTCCCGATTT TGCAGATGAG GAAACGGAGG CTTACAGAGG TGAAGTAATT
128351 TGCCCAAGGG CATCAGGCCA GTTAGTGGTG GAGCTGAGAT TTGAACCCAG
128401 GCAGTCTGGC TCCAGCCTGT GAGTCCCTCC CCATCTGCCT ACTGCATGCG
128451 GGGTGGTAT GACCAGCAGG GTCAACTTCG CCTGGGTCC ACATCTGCCT
128501 TTCTCCCTTG CATTGGTGT TAGGTCTCTG CACAAACATT GTCCCATGG
128551 ATCCTTATAG GGAGGGTAGA GTGTCCCCGT CTTTCTAAT TTTTTGGAGT
128601 TTTTATTCAA TTTATTTGT TTAAGCAGAT AAAAGACACA TTAGCCACAC
128651 TGCTGTGCAT TTCCCCAAGA CCACAGGAAA AAAACTCAAA AACTCATGGC
128701 ATAACATAG TATTCATT TCTAACAGCT TTATTGGGAT ATAATTACA
128751 TGCCGAAAAA CTGATCCATT TTATGTACAA GTCAATGATT TTGGTCTGT
128801 TTGCGAAATT TTCTAAAATT AGTTGTACAC TACAATCTAA TTGAGAACAA
128851 TTTCATCAC CTGCAAAAGA AACTTGATGC CGATATCCAG GCACCCCAT
128901 GCCCACCCCCA GCCCTAGGCA ACCCCTAACT CACCTTTGT CACTGTACTC
128951 TTGCTCCCTC TGGGCATGTC TCACATGGAC TCATACACAA TGTGTCACTT
129001 TGTTCTGAC TTCTCCACT GGGCACAGTG TTCTTGAGGT TCTTCCATGT
129051 TGTTGCATGT CTTTGGGTTG CTGAATCATA TTCCATCACA TGTGCCACAT
129101 TTTGTGCATC CGTTCATCGG CTGATGAACA TCTTGGTTGC TTCCACTCTT

129151 TGGCTATTGT ATTACCCCTCT TTAGATGGAA AAAGAACTGC ATCCTAGAGA
129201 AGCTTACGG CCTCGGTATA GACATCATCA GTGGAGTCTG GCTGGCCAG
129251 GCGGGTGCCT TCTGGTTGAT TCACTCAAAA TAGGTGTCGA AACTGACACC
129301 TATTTACTCC TTTTTTGTC CCAGCACTGG GCTCAGCCCT GGGAGCCCTG
129351 CAGCAAGTAA GACGCACATG GTCCCCGCCCT TCATGGGATT GTCATGCAGG
129401 CAAGCAGTAA GTGAGCAAAT CAAGGCAGGT GAGTGTAGG TAGTGTAGAG
129451 TGCTGGGAAG GAAATCAAAT AAGATAATGT GGAGACATAT AATAAGGACT
129501 TTAGAATTT TCTGCTTTT AATTTAGTT AAACTTCTCT CAATTTCTAC
129551 CGGGCAGTAG ACATTTCTAT TTTACTTAA GAATTATCCA AATACATTTC
129601 ACTTTACATG GAAAATGTG AAAGATTGAGA GAGGTGAGAA ATCATTNTTA
129651 TCTGTATGCT TTAGGGACTG AGACACTGCT GTGGATGGGG CGGCTTCTCT
129701 CCATACTTTG TGGGGTCAGT GAAGGACTCC TCGCTTCCCT CTGCCACCCC
129751 TGCTAACAA GGCACCCCTCC TTTCCATTAA GCAATCCGGG TCATCGAGA
129801 GGCTCAATA GCCCAAGCA GAAACTGCAC TCGTGTGTGT GAGCAAATTA
129851 CCCCAGTTAT CTGGCATGAT AGAAAGCTAC AGTTTACTC TTCATGAAAA
129901 ATTAAAATCT TGTCTGATC TGATGTAAGG AAAAGGATGA GGCAACTTGG
129951 AGGAACTCAG CTATTGTTGA TCAGGCAGAT GATAAACTAC ACATTTCTT
130001 GACTCAGGGG ATCAATGGAG AATCTTAGAG AGAAACTCAC AGAAGAAATT
130051 AAGATTAAT TTGCAAGCCT GTAATATGGG GAATGCATTC TAACAACATC
130101 AGCAAATAA GGCTCTCTCC TGAAAATGCA TTATTTATCC CGCCTGTTA
130151 CCACAGCTAC GGATGCTCCT TCCTGTGGTC TGAACCCGAG TGGTTATGG
130201 AAGCAGTCCA GAGACAGACG ACTTGCTCAC CAATACAGTT AGAATTCAG
130251 ATGAGCAGTC AAGATATTAA TAAACTGTTT GTGTGTATAG CCACACCATA
130301 AATCGTGAAG ATGAAGGTTAG CTGAGTGAGC CTAATCCAA ATGGGGCCAC
130351 AATGTGGGCT TTATGCAGCA TACATTTAT TAAGAGAAAA AAAATCAGGG
130401 AATCGGTTAT GTGGCTCATT CCCACACATT TTTCATTAGT AATATCTGG
130451 AAGAACATCA AAAGTGGTTG CTTGGTCAA TGGGGACCTT CAGTAGAAGA
130501 ACATAATTG CCTCTTAATG AAACACTC ACACAAACGAT ATGTACCA
130551 GTGAAAATTC AGGAAGAGAT ACTTGTATGG CTGGCATTAA TGATTGGCGT
130601 CTCCCTCAGA TGTCTCGCT GTCAAAGCCA CACTGGCCAG ACAATGGAA
130651 CTTTCCAGTA ATTGAAGCAT AAAGTACAT GAAATGTCCC CAACAAGAGG
130701 TATGCCCTAG TACCTAAGAC AGAGTTATTA ATTTAATTAT TTGGGCAAAT
130751 TTCTGTCTGA ATTCTCTGGA AAATTGGCAC TTCTCAGGAA AAGAAAAAAA
130801 AACATTTTT GCAGAGTTT GAAGATAAAG TTGAGAAGAG ATGCTTTCAG
130851 AAAAGTTGCC GCCAAACCA AATAAAATT CAGCAGGTTG TTCTCTAAGA
130901 GAAGAGAAGC AGACAAAACA TTAAAGGGTC ATTTTCCCCC CGTGTCTTCC
130951 TGAGAAGAGA ATAACCTGAG TCCATTAGA GCGGGGTTTT GGGAAATACA
131001 CAGCACTGTT TGATATGCAA CTCTGGTGGC CTTGGGCAAG CCACATGTGC
131051 TCTCCAGCCT CAGTTCCCTT ATTTGTAAT TGGAACATA GTTAAACCC
131101 GTCTCCATAG GTTGCTAGG AGGATTAAT GAGTTGTATG AAAATCATTG
131151 AACACAGACT AGCAGGCCCTA AAGTAAATGC CCAACATAAT GGTAGTCTAT
131201 TGAAAAGACC TAAAAAGAAAT GGAATTGTT AGAATAGTAG AGCAAATGAG
131251 AGAGAAAATG GCTGAACGT TTATTGGTTA TCTGTGAGAA ATTTGACTCC
131301 TTCCCTTAG AAATCAGAGT AGTATTGTA TAAGCCAATC AAGCTATCTG
131351 CAGATTGAA GAATATATT TAAAGCTTTT CTTTTCTTT TTTCTTCTA
131401 GATTTTACT CACTAATAAT TATTGAATCA TTTAACATA TTTTAAACCA
131451 AATTTAACAC TCAAATAGTA GGTAAACATC TTCAATGTCAA TAGTATTAGT
131501 TTGCTTGCTT CTTAAGCAAA ATGCTGACAG CAGAATAAGG CTGCAGGGC
131551 ACAAAAGTCT TCAATAAGAA AATGATTAC TGAGGACGTA CTGTGTGCCA
131601 GATGCAGCCC CACCCCGAGA TGTTGAGGCA CTTGCTCAA GAGGCCAAGG
131651 TCATGGGTGT AAACCTTAGG TGGGTCAAGTT AGATTCAATC TGATTGGCTT
131701 GATCCTCTT CAGGTGAAGA AGGATCCCAT GACCACCATATA TATGTATATA
131751 TAAAGATGGC TCAATGAGTG TCTCACTGAC TGCGGGTCAAG TGAGGTCCAC
131801 TCTACAGAGA AAGGACAAGC TCTGACCCCTT GAATAGGGGA ATTGTAGTTG
131851 GGTAAATAGG GCTCAGAAGG ACATGTGGA CATGGACAGA GATTTCCTC
131901 CTATCCTGAG AAATGGACA TATGTCAGTG AAGGTGGAAA TTTGACATCT
131951 GTGCACCTTT TTCTGTGTG AGTTTACCAA GGAGGTAAAGT GGCTAGGCTA
132001 TAAAAAAATTC ACAGAACCAT TCTCCACAAC AACTCTCTC TAACTAGCTT
132051 TCCCCATCATG CATGAATATT TACACCTGCT TAAATGCTG GGGATTGGAG
132101 GAACAAACTT TGTCTCAGT CTTAAATTTT CCTGAGAGCT ATGAAAGCAT
132151 TGGTATAACA ATGTGCTGCT AAAACTGAGGG CCTTGACCAAG TGTTCATGTC
132201 AAGCCCATGT CAGCCATGCA TGAAAACCAA ACTGCAATGT GGTATACACA
132251 AGACAAGGCG GTCGAGGGGG CATAAGCTCG TTGCCCAAGA TGTAGCACTC

132301 ACTAGCCGCC CAGTTCCCTTC ATCTTTTGT AACTGAGCTT AATGGAATTT
132351 GCCTCAAGCT GAATGACAGA GCCTCAAAG GTTGGAGAC TGATTCCATT
132401 TGGTTTAGCT GTTCAGCAAG CCTCTTATCC GGGAGTGATG ATCTCATT
132451 TGCCCCTTT TGCCCCAGCA GCCTCTCTCT TCACACCTTT CTGCTGGCCT
132501 CAGCACCTTT CTTGCCTCT GCTACTTCC TTTCTCTCG TCCTCCCT
132551 TTCCCTGAAC TTGCTTCTGC TGTGCACCCC TCACCCACCT TACCCCTCCTG
132601 CCACCTTCTC AGAGAGCCCC ACAAGATAAG CCTTATTGCG CCAGACTCCT
132651 CTGGAGGGGTG GACATTAAGA GCCAGTTCCA CCACTCAGAG CTCCTAGAAG
132701 GCAGGAACTC TCACACACGC GTGAGAGCAG GGTAGCAGAG GTGGCTCACG
132751 AATGCAGATT CACTCACAGG CAAATTGTTG AAGTAGCGGG GAGGGCTGAT
132801 TATGCAGACC ACTCCAAATT CAATCTCCC GTTTATGTTA TCACAGGAGC
132851 TCATGATGGA AGCACCACCC GATAATTCCG ACTTGCTAT TACTTATTCT
132901 TTATCTAGAG GAAATAAGA GAAACAATTA CCTTGGTGTG ACATTCTGCC
132951 ATCTCTACAA AGCCACCTGC ACCTGAGACT TTGCCAGCAG CAGAAATAAC
133001 GAGTTAACGTG CTAATATTG CATAGAGAAG AGAGTAGCAG GGCTATTGAA
133051 AATAAATTCA AAAGACCTTC ATGTATTCTG GTCATATATC CCTGGCATAA
133101 AACTTCTCCA GAGATAAAAT AGCTTCTGA CAGGAGGGTT GTGGCAGGGG
133151 AGGGGGAGGC ACGGTACAGG GAACAGGGAA GGCAAGCCCTG GAAAACCC
133201 CTGGCCTCCC CGTTCCACG GTCGGACGCC GCCTTGTGA AAGCATCTT
133251 GAAATGATTG AGGTTGAACCT ATTACTGCAG AGCCCTTTTC AATAATGAAT
133301 TTTAAATTAT AAATGACATT TTGGTGTGTG CCTTCTCTC CCACCTATTG
133351 GTAGTTAACCT GGGAAAATG ATGTGTTTGTGAGCAG GAGCAAATTG
133401 TCAGGAAACAG GAGCCTGAAG CTTAGTTTA GTTCCTAACT GAGACATGTG
133451 ACGGACGTCC AGCTCCCTG CTTCCCATAC TAAATGCCT GCCCGGGCCA
133501 TGTCTGGGG CCAGCCTGGG CTGCACACGA GGCTCACAGC CTGCTGTG
133551 CACATGAGCT GAGGCATTCC TTTTATTCT CTCTCTGCTG AGGACAGCCT
133601 TTGGGAAACCT AACATTAGGA TGACTTCGGG GCCACGGAAT GACTTGGGTT
133651 TCCCCCGGAA CACTGTGAGG CTGAGTTCCC CCATGGGTGT TGGGAGCACC
133701 GGGAGGAAGT GGGTGCATC AATTAAATT ACAGGGCCTCG TTCATGAGAT
133751 ACTTATCAGT CAAAATGCA AAGCAGTTGC TGTTGTTTA CTGCGTTAA
133801 AGGAAGCTGC TAAGACAGAG GAGAGATAAT TAAAGAGTAA TCATTGGTGA
133851 GCCAGCTCTT TCCACTGACC CTGGTGTCTG GAGTTTCTC TCATTGCATC
133901 AACCATTTT GGCAATTAGA TGTGCTTTCC TTATTAATGC CAGGGTAGGG
133951 AAGCAGAAAA TGAAGGCTCT TCCTCACAAG TAGCTGCTTA ATGTTGCAGT
134001 GCCTGCCTGT AAGTCACGAA AGCCATGGAG TTTTGCCTAT CCTTGAGCAC
134051 AGAATGCCTT TAATGACAGC TACAGAAATAG AACCATTAAC AGAAATGAGC
134101 AAATCCTGGC ATTTCCACT GGCGTGTGCA TTTCAGTG CACTGATGG
134151 GCTAGGGACA CTCCCTCACG GGGGCTACAG ATGAAAATGC CCAGCCTGAA
134201 CCTGTGTTCC GGGGGGTGCT GTGCTCTCTA GCTGGGCACT GGCACGGCA
134251 GTTCTCAGCA AGAGCCTGGC CCTGCTCTCC GTTTGTTCAT TCTTGGGCG
134301 CATGCGTGGA GGACATGATG AGAGAGGGTG ATGCAGGGGT CAAAATG
134351 GGCATGGAGG GATTGTGTGA ATGCCCCATT CCTGGTTAT TAGGCAC
134401 CTGTATGCAA GAGGCCACCC CAGATGCTGC ACTCCCCATG TCTCAGCTCC
134451 CCCTGAAGAT GAGCCTAAGG TGGAAAGAAA ATACAGCAGG CGGAGTTGAG
134501 GTGAGATTAA GAATCTGTT TCTTTACTGT GGGTTAGATC ATACCATCCC
134551 TGTAGCAAGA TGACATGGTT TGGCTGTGTC CCCACCCAAA ATCTCATT
134601 GAGTTGTAAT TCAAATTGCA ATCCCCATGT ATTGGGGAG GGACCTCATG
134651 GGAGGTGATT AGATTATGGG GGCAGCTCCC CCATGCTGTT CTTATGATAG
134701 TGAGTGAGTT CGCACAAGAT CTGATGGTT TATAAGGAGC TTTTCTCTC
134751 TTCACTCTGC ACTCATTGTC TCTCTGCCA CCTGTGAG AGGTGCCTTC
134801 TACCATGATT GTAAGTTTC TGAGGCTTCC CTAGCCATGG GAAACTGTGA
134851 GTGAATTAA CCTCTTTCTC CTGTAATTAA CCCAGTCTCA GGTATTCTT
134901 CACAGCAGCA TGAGAACAGA CTAATACTA AGATTTCTCT AGAGATTCTA
134951 TCTCTGTTA TACACCTTTC TTAGAGATT CAAATGTGGA AGACTCCCT
135001 ATTCAAGCAT ATGTAGGTAAT TGTGTTGACG CGGAGGGAGA GGTCTGGCCT
135051 AATAACCTCT TGACCCCCCTA AGCAGTTGGG CAGCCCTCAC CACACACTGC
135101 ATGTGTGGTG CTGCAGCGTG TGCTGATGGC TGTCACAGTG GTTACGGGGT
135151 CAAGCATGAC TGGTCGGTGC TGATCTCAGA CCATGGGAGG GACACACTGC
135201 ATGCAGCTAG GAGCCACTTT GTCCAGTCAC GACCAAAGGG CCAAGCATT
135251 TACCCCTGTCG CTGATACTGC AGACCAGCTG GTTACGGAGTC AAACTGCCAA
135301 GCAGCTGACA TGCTTTGACG TGTCACCTGT ACAAAACACA CCATTGAATT
135351 TTTTTTTCTT TTTCTTTCA AATCAGAGTC TCTCCAATAG CATCTGAAAA
135401 CTGTAGAAAC AGAGCACTAG ATTACGAACA CATGGACAG GCAAGGTTAT

135451 CTTCTCTAGA GAAGAAATCA ACAGCTGCCCTA CTACTGGGAG GAAAAGTGTCA
135501 TAAAGAAACA GGGAGGGAA GGCCTGTCAG AACTGGAACAGGTGATAAA
135551 CCCTGCAGGA GTCACAATAG CCTTTGCTGA GAAAGCAAGG TCATGGGCAG
135601 GAGCTCCCCC TGCCATGGCT TGTGAGTGTG AGTCCAGGCA AGGTGAACAG
135651 TACAAGAGTC AGGGCACAGT GGGACTGGGA GTACAGGCAC CAAGGCCATT
135701 GCCCTCCAAC CCCTGCTACA CACTCAGGGCA CCTTGGGAAA ATCACATCCC
135751 TGTTCAAACC CTGGTGTATT CATCTTCAA GGCTGGGTT AGACTTGATG
135801 ACCAAGATGT CCTTGCCATG TCAGCATTTG GATGGCTTC TATCATTGT
135851 CTATAAGCTG ATTCTGAAAG TTGAAGACAA ATAATCGCA TTTACATTAG
135901 TATGACTGTG AGATGCCAAT GTTGGAGAGT CAAATCATGT CCTAGTATTT
135951 CATTAGTTC TCTATGCATC CAGCATAACCA ACTCTGAGCC ATTCAGTGAA
136001 GACTCTTTTC TGTTATCAGG CTGAAATAAA TTCTCCTTT TTACCCCTCA
136051 TCAATTGCCT TCCACATATC CTCACATTT CTAGGCATTC ACTAATATGA
136101 TTCTTTTAT CATCAGTTGT GTTTTTATG GAGTCCTTTC TTCTGGAGCC
136151 TCTTTTCTT ATTCTAATCT AGAATGTTCT TTTGCTCGC ACTCTCCTC
136201 CCAAGTTATC CTGAATTTCCTT TTCTGGCT TGCACATTCT CTTTCTGGG
136251 GTACACCCTT ATGTTATTTC CTGAGAAAGT GTGCACAGGA GTTCCACTT
136301 CTATTACTCA CATAATTGAA AATGCTTCA TTCTGTACTT GTACTTGATT
136351 GACAGATCGG CTGGATATAG AATTCCAGGT TGAATTTTT TCTCTAATA
136401 GTCAAGATAG TATAACTGCT ATATAACCCC CAAATATCAG TAGTATAATA
136451 CAGTTTATTG TATACTCACA GCACAGCCTG CTCATTCCCC TGATGGAGTG
136501 CAGGAGTTCT CTGCTCCACA CGGTAAATTCT GAAACCAGAT TCCTTCTATA
136551 GTGTGGCCCG CAAGGTCACT ATGGACAAGG ATGAGAGGGGA GATTGAAAG
136601 AACATGGAAA AGGCCCGAGCA GCTCTTAACCT GATCCAGCCC AGAGGTGACG
136651 TATCATTCTA CTCACACCCCT GTATGTGAGA CCTAGTGGAA TGGCCCCCTC
136701 TAGAGCAAGG GGGATGAAAAA GTGTAGTGT AACTGTGTAT CCAGGAGAGA
136751 AAAACCACAC CGTCATACTT TTAAAGGCAT CATCTTTAAG CAAGCAGTGT
136801 CATTGGTAAA AAGTCCAATG CTAGACTGAT CCTTATTCT TGTGGGTGAC
136851 CCATTTAACATC TATCTGGAG CTATTAGGAT CATCCCTGTG TTAGTCCACT
136901 GAGGCTACTA TAACAAAATC CCATAGCCTG GTTAGCTGAT AAACAACAGA
136951 AATTAAAAT TTCGGTGGCT GAGAAGTCTA ACATCAAAGC ACTGGCCAAG
137001 TCAGAGTCTG GTGAGGGCCC ACTTTCTGGT TCATAGATGG CACCTTCAG
137051 CTGTGTCTC ACATGGCAGA AGGGCAGAG GCCCTCTCTGG GGTCTTTT
137101 ATGAGGGCAC CAATCCCACAT CATGAGAATT CCACTCTCCT GACCTAATCA
137151 CCTCCAAAG GCCCCACATC CTAATACCAT CACCTTGGGG GTTAAGATTT
137201 CAACATATGA GTTGAGGGGG ACACAGCATT GGGACCAGAG CAATCCCTC
137251 ATGAACCCCTT TAAGGTTCAT GAGAGTAGAA GCTGATTACAC TCACTTATCT
137301 CCAGTTCTA TGCCTGGCAC AAAACAGGGC GAGGATCAGA GTGAGGCAAT
137351 TGAGGTGCGT GCCTCCAACA CAAAGACGCG GTAGTTAAAA CAAATAATAT
137401 TTTAATGCAA TATTTTACAA ATCAAAATTA ATGCAAAAAAA ATCCATGATG
137451 AACAAAATAA CATTATGTC CTTGATGTTA TAAAATTTG CAATGATGTG
137501 TCTGACTTTG TGGTTCTTT TGTGGGTCTC TCAAGCCTAAA GACATATATC
137551 CTTCCCTAAA TAAAAGCAAT TATAATTTC TTAAGCAACT TCCCTCTCT
137601 CAGGTTCTG TCTTCTAA AATCTTAATT GCATGTGAGA CCTCCTGTAT
137651 CAATTTTTC TGTTACTTTT CTCTTAAAGT GTCTGTTCTA TATTTTAT
137701 TCTATATTCT GGAAAATTCT CTTGGCCTTA TCATCTGATC TGAGTATTGA
137751 ACTTTTGTT TCAAGACTCA TGTTTTTATT TATTTTATTT TATTTTATTT
137801 TATTTTATT TATTTTATT TATTTTATT TATTTTATT TATTTTATTT
137851 TATTTTGAG GCAGAGTTTC ACTCTGTTCC CCCAGGCTGG AGTGCAGTGG
137901 TGCAATCTTG GCTCACTGCA ACCTCCACCT CCTGGGTCA AGCGATTCTC
137951 CTGCCCTCAGC CTCTGAGTA GCTGTGATTA CAGGCACGCG CCACTACTCT
138001 TGACTAAGTT TTGTATTTTT AGTAGAGACG GGGTTTCACC ATGTTGGCCA
138051 GGCTGGTCTC AAACCTCTGA CCCCAGGTGA TCCGCCTGCG TCAGCGTCCC
138101 AAAATGCTGC GATTACAGGC GTGAGGCCACT GCGCCCGAGCC TAAGACTCAT
138151 GCTTTAATT TCAAGCACA CTTCTGTCT TTCTGATTCC TAGAAGTGGC
138201 ATCTTGTGA ACCGACTGA GGATACTAGT TTGCACTGTT TGGCTTCTT
138251 TGGGAATTAT GCTTTTACTT TTAGTTTCT TCTGTCACAT GGATTATCTC
138301 TGGTTGGGTT TATTTTTAG TCAGCTGTCA TTGTTGTTC ATCTGTTGT
138351 TTTCAGCTCA TCTGTGGTAC TGCTCTGTGTTTCTGTT GCGGGCTG
138401 CAATTCTGG TTGTCCACTC CAATACGGAA GTAAGGACAG CACAAGGGTT
138451 GACTGGAAGC TCTTATTCCA GGGCAGGGCC TGTCAGCTGG CAGTTCCAC
138501 TTTAGGATGA GCAGGCTGGG AGCTGGGTGT CACGTGAGCA GCCCCCTACGC
138551 AATGCCCTTC CAGAGTATGG AAGGTGCTAA CACCCACAGG AACCAACCGTG

138601 GTTCTCTGCG GGCTGTGGAT TCCATTTCTT TAGGCAAAAA ATTCTTCTGT
138651 TTTTTTTTC TGCAATAAGAG AGTTTCCAC ATATAGCGCT TCAATTTC
138701 CCCATCCTTA TCTTGACTGT GCCTCTGAGG GAGGTGTTAT TTGGAGGTGG
138751 GCTCCCTGTA CGGGCGCTGC CTCTTCTGCA TATGTTCTGG GCTGTGGCT
138801 GTGGACTGAG GTGTCCTCTG TCCTGTGCC CAGTGAATGT TCTGAAATG
138851 TACTTAAATC CCTTGCTCAC CAAGGGTGCC TCTTCACTA TCTTTACTGT
138901 TGTAATTTC TCTTTAAAG ACATTGTAAT TGAGTCTAG CAGGCGAAAG
138951 AAATGCATGT ACCTACCCCTG TCATTTGAA CCCTCTCCTT TTGTTTTAA
139001 AATGTTGAA ACATCTGGCT TTCTAATATT AGTATGTGGC ATTCCCAGTT
139051 TAACATGCCA AAAGCAAAGC TGTTCCATCC CCTCTGCCAG GTCCAACACT
139101 ATCTGCATCT CCTCCAGTCA TGCTGGCTGC AGGGAACAGC ACCAAAATTC
139151 ACCCACTTGC TTAAAGTGGA AAACGGGTC ATCTGTCTT CATCCCTTC
139201 CCAAAGCCAC ATCTCAATGC AGCTCTGGTT ATGAGCTCTT GGACTGTTCT
139251 CTTCTCCTTG AGCAGATCTT GCCAACAGAG TTCCTGGCTC CATTGCATCC
139301 CTGGCCAATG CAGCCCACGG TCTTCAGAAT TGGCGGCATT GGGTCTCCCA
139351 GCACACAGAG GAGAATCTAT CACCTTGATC GCCATTCCGGC CTCTTCACAA
139401 TCCGGTCTG AGGGGTCTT CTAACCTTAC CTCCCTCTGC TTTCTCTGG
139451 CTCCTGCCCT CTGGCCAAGT GAGACCAGCA GTCCCCCTCTC AGACACATCT
139501 TCTGCTTCA CATGTCCTGT CATTGTTCA GCTTGAGATG CACTGACTTC
139551 TGTGCGGTCA GTGCAAAGT AATTGTGGTT TTGCAATTA AGAGTAATTA
139601 TACCTGCCTT TCAAATACTG CCCTTCCCTT AGGGCCTGGA TTAAATGCTA
139651 TTTCTCAAGA AAGTTTCATG ATTCTGCAC TTGTAGGGAA TCTCTCACCC
139701 CCTCCACCCCT CTCAGCTCTT CCCTCGTGTG TGTATTGTG TAACGTATAG
139751 GTCATTCTGC ATGTTGGTTG GGTAGCCGTC TGTTTCCCGC ACTGAGCTGG
139801 AAAGTCTGG AGGTGAGCTC GGTCTAGCT GGCTGCGCTG TCAGAAGTCC
139851 CTTGGCAGAG GTTGCAGCAC AGGAACAACT GGGGGAGTTT GCCCCGGTGC
139901 GCCACACTGA GTCTCAGGTC TGGGACCTGG ACCTTAGGCT GGGGTGTGGC
139951 TTGCTGAGCA GCTGACCTGC GGCCTGAATG GTGGTGCTGC TGATACAATG
140001 CTGACATGGC TAGAGGGAGA AAAGGCAGTG GCTCCGTGGC TTGGGCTCCT
140051 CTGCTTACA GGGCAGGTCT AGTAATTCTC TCAGAGAAAC TTGAGTCGG
140101 CCTTCATAAG AAAACAGAGG AAGAGATGAA GCCACAGTCA CCTTCTTCCA
140151 TTCTTAACTC ACCCTAATAC TGCTGATCAC CTGTCTTGA AATGAACCAA
140201 AATACAGACA GCCACAAACC ACATCCAGCT TATCATTCCC ACCCATCTG
140251 GACTGTGGCA CCCAGGGTCT GGTCTAGCT CAGTGGGATG GAGTCATCTG
140301 CAAACCAGGA GAGCGATGCC CTGGGGCAGG GACACCCACA GGGCACTAAG
140351 ACAAGAGCCA CAGAGCCCTT GTTGGTCCCC AGAGGTCTG TGCTGGTGG
140401 GCAGGCCCTCC CCCTGCCTGC CTCCCCCAGC CTTCCCCATG GTGGGAAGTA
140451 ACTATCTCTT ATTTTCATCT TCCCAGCAAG AGGAGCTACA AACAGGCTAC
140501 CAAGTAAGTC ACCTGGTGC TGTTACACCT TCCCTTGCT GAGAGGCTCC
140551 TGCCTGTGAG AGGACAGGCA AATTGCTCCA TAAATTATGA ACCTGGAATG
140601 AATCTGCCAG GCGCCTCCTG TGTGGGGTTG AGGTTGTTCC CTAGGAGTGC
140651 CCCATTCTGA AGACAATTAC TCTAATTGCT TTGTTATTT CAGAAAACAA
140701 ATAAACAC CCGAGTGTGTT CAAGGTAGAA AACGTCTGC AATGTATAAG
140751 AAACATTTA GGAGTGTGTTA GTTCACAGCC AGCAGTGTCT GAGCAAACAG
140801 CCAGAAAGCA GTCACCAGGG AGCACAGGCT GTCAGGAGG TTGAGGCCTT
140851 TATGAGGTGA GCCGTGTGCT CCATCGGGGT GGGGGTGCAA GCCTCTACTC
140901 CTGGCTTCTC TGAGGGAACT CCTGCCCTTC TCTCCCCCTT GCCTGCAAGA
140951 CCTATGGATT CTGTCTTCTG CCCATCCCCT CGTCACAGC CTTGACTCAG
141001 GCCCACCCCTC TGTCACCCAG ATTTCTGCAG CAGCCCCCTGC TGAGGTCACT
141051 GTCTTCTCC CAGCTGCCCT CCTTTCTAGTC GCAGTAGGGG CGGCCCAAGA
141101 CACAAGTAAC ACAATCAGAT CATAATTGTC CACTTCTTAA TGGCTTGTG
141151 GCTTCTGTGTA AGCTAGGAGA CAACGTATCA GACAACCCCTT GGCATCAGGG
141201 AGGGGAGAGC CAGCCTCCTC CTGCAGGCC AGCCGTGGGA AACCTGGCTT
141251 CTCACACCTT CACTCTGTCA TGCCACTGAG CCTCTGTCCC AGGGAATGCA
141301 GTGGGTAC
141351 CATATACTCA TTCTCACACA TGCTCATATA CACCCCTCATATA TACTCACACAC
141401 CTCATATACT CACATACACG CATACTCCCA CACTCATACATACACACACAC
141451 CACACATACA CATATACACA CACACACCCCA CATACTATATT CAGACATATA
141501 TACACACACA CTCTTACACT CACACATACA CATGCACACACACACACACAC
141551 TACTCATACA ATCATACTCT CACATACACT CACACATGCT CACACACTCA
141601 TACACTGTCA CATATACATT CACACTCATACACACACACACACACACAC
141651 CACTCGTACT CACACACTCA TATTCTACACACACACTCTCA CACTTACACAC
141701 CACACACACT CACACTGACA CACACACACT CACACTCTGA CCCTAGACTG

FIGURE 3, page 45 of 188

141751 CCTCCTCATTC CTCAGGGCCAG GCGTCCCTCC CTGTGAAGCC TTCCCCAGCG
141801 TGCTGGGCTT AGGACTTATC TCAATTTCAC ACTGTCTTGC ATCCATTGTT
141851 CTCTCTGTTG CCCCTGCCAG ATTGTGAGCA GCCTGAGAGA GGCAGGGCCT
141901 TGCCCTGTTC ACTTTGTACT CCTGTATGT GGCAAAGGGT CTATTTATTA
141951 CTCAGAGGGA ATTCAATAAA TGTTGACCGG ATACATGGTA GATGGGTGGA
142001 TGGATGAACT TTGAATGAAT GAGTAACCCCT GAGGATTGGT AAATGTTCTT
142051 TTTTTTTTTT TTTGAGACAG AGTCTCGCTC TTTCGCCAG GCCGGACTGC
142101 AGTGGCGCTA TCTCGGCTCA CTGCAAGCTC CGCCTCCTGG GTTCACGCCA
142151 TTCTCCTGCC TCAGCCTCCC GAATAGCTGG GACTACAGGC GCCTGCCACC
142201 GCACCCGGCT AATTTTTGTT ATTTTAGTA GAGACGGGGT TTCACCGTGT
142251 TAGCCAGAAT GGTCTCGATC TCCTGACCCC ATGATCTGCC CGCCTCGGCC
142301 TCCCCAAAGTG CTGGGATTAC AGGCTTGAGC CACCGCACCT GGCGGTAAG
142351 TGTTCTTGTG CCAAGGAATT CTTCTACCTC AACTCCACTC AAAATGAGAA
142401 CCCTGGGGAA GAGAGAGATT GATGGATTGG CTCATCAGGG ACTCTGTCCC
142451 CACCCCTGCC CCTCCTTCC CATATGGGG ACGAGGATGTG GTGAGAAACT
142501 TGCTCAAGAA GTGGGTAAC ACTTTGATGG CAGAGGCCAT GTCCCCTTTC
142551 CTTCCACTCA CAACCAAGTG AGGGGCCACAA ATTATTCCTT CCCCCCTGCC
142601 CACTGCAGGA AAATGTACAA ATCCTAACCT AATCTCTCCC ATAAGCACTG
142651 GAAGCTTGTG GGCATAGGGG TTAGAGGTCT GGTCTCTACG ATAAGCTAGC
142701 CACGATGTTG AGCCTTCAAC CATCGATAAA ATCACTTGGG AATCCAGTAT
142751 CCCTGTTAGA GTTGGTTTCA GTGCCATGT TGATGCTGC TTTGTCAGGG
142801 TCCTCATTAA GACTTTCTC CTCCCACCTT AGACAGCACT GACCCCTGT
142851 TCAGGCTCAC ACAGTCGCTG TCACCCAGGC CCACCTGCAG CTGTGCTGCC
142901 ACTCACCAAA GTCTGAGAGG AACTGCTCCC TTACCCAGGAC AGTGAGCACT
142951 GGCCAACCC CACTGTGCTC CTCCATGTGT GTGGGGAGTG GCCTCCCCAC
143001 CCCCCCTGCCA GAGCAAGAAC TGATTCTGGG TCACCCACCC AGGACTAGAA
143051 CCCAGAGCTA GTCTGCCCTA CTCCCTGAACC ACCACCGCTC CCACCATGGG
143101 CTGGGCTCAG CACCCCTGCTT GGGGCTTCGT GGAATATGTG GCATGGGACC
143151 TGGCCTCAGG AAGCTTATTG TCTATTGGG GGGAAAGTAA CAAGATAATA
143201 CAAGACAGCA CAGAAATCCCTT TTCAATTTC TGTCGGACGG TCTTACGGAT
143251 GAGAGGAGCT CAGAGGAGAC TAATATGGGT TAAATCAGGT AGGAAAGACT
143301 TTGAGAGGCC ATAAGAAACTT GAGCCTGACT TTGAAGGGTG GTTAAGAAAT
143351 AGAATGGGTG CTCCCAATGG AGGGAACACC AGGCAAAGAA AGGAGTGAGC
143401 ATGGCATGGG CAGAGGCCAG GGGAGACCA TGTCGGCAACG CCTTTCAGGG
143451 ACTAGCAAAG ATAGCAGGCC GGACTGCCCT ATGTGCAAAT TACCATTCAT
143501 ATAATGACT GATAACCTT ACTGAGAACAA AATGAGGGAGA GAGAGAGAT
143551 AAATACAAAG TGACTGCATG CATGAATCAA TTAATAAACG AAGGTGTCGA
143601 GCACCTGAAG GCAGGTTGGA AAATAGGAAG GACCAGCAA GGTAGGTGGG
143651 GGTGGGGAA GCCAAGCACT GACTCTTGG GGATGTATTA TAGATGTGGT
143701 TGAGTAGAGA CTGCTCCTAT CAGGGAAAGGT CACAGAAAGG TCCCACTTAA
143751 ATTACTAGTT GAGTCCGCTA TATTTGTAT GAAATACATA CATAAAAAGT
143801 ATGAAAACAG CCTCTTCTT TGCAAACTT TTGAGAATTTC CCCCCATCAA
143851 ATCCTGCAGC TGGGTGAGCA ACTCCCTGGC TCGACTCTGT GTGGCCTCCA
143901 GGTCCAGGGG CCAAGTTTC CCCAGGCTTC CTTGCAGCAG CTTTCTCCCT
143951 CCTTCATGGC TGACCTGCAC CTCTCCCTC CATGGGGGGG AGGTAGGAGT
144001 ATGAGCTCAG TGCTGGAAAGC TGCTGTCTG GGAGAGTTGC TTGTGCCACA
144051 GGAGTCAAAT GAACTTTCC CCACGAGGCC GGGCCCTCTG CTGATGCTGT
144101 GTTTGAAAAA CCAGTAAAGG TTTTCTTTT GTGAAAGAGA GAGAGAGATA
144151 TCCCTGAAC AACTGGAACCC TTTTAAGCCT GGGCTATGGT TTTGTTGGG
144201 GTATTTGGTG GTGTGGGGGT GGGACTGTCT TTCTCATTAT TAAACCAGAA
144251 AAACCTGCAT ATGGACTCAG CAATGAAGAG TGATTTGTT CTTGGGAAAAA
144301 TGTAAGCTGCC TTCAAGTTAG TAACTTGGGC TCTCTGGC ACCTCCACTG
144351 CGCAGCCTGG CCTGGTGGAT TTGCGCTCAG ATAGAGCAAA GGCAGGGCTG
144401 GGCTACAGAT GTCTTGCGA GACGGGGAGG GGGGGCCCCA ACACGTCTTA
144451 GTGTAAGTGT CATCTCAGAA GCAGAGCTTC TAGGTGGAAC ATCCAAGGGC
144501 ACCTTGAGAC GTGAGACGGT TGATGCTCATCA CAGTTGTGAT ATGTCAGTGA
144551 GTACACACTC CAGGTTGAGG GACTGTCACC TTGGGAGGTG ATTGAGACTG
144601 AATTCAAAAC AATGAATCGA TACTGACATG GAAGAATAGT TTGGCAAGAA
144651 GGCTTGGAAC TGCTCTGCAC CAAATTGTA ATGCCAGTGA AGAAGCCAGT
144701 CCTTGGCTTC CCCAGCCTCC ACCTAACCTT GCTGGTCTT CCTATTCTCC
144751 AGCCTGCCCT CAGGTGCTCA GCACCTCAT TTGAGAATTG ATTCAATTCA
144801 GCAGTCACCT GTATTCGTT TCTCTCTCA TTGCTCTCA GGAAAGGGTA
144851 TCAGTCATCT ATGCCAGGAT ATATTAAAGT CAAACTCCTT GACACAGGAT

144901 ATTGTACTTT AATCTTCATA GCTGTATGAA AAACCCAGTC CTCTGATTAT
144951 GTAAGAAATT TGTCTTAGGA GGTTGAGAAG CCAGGAAAAG ATGAGGGAGG
145001 AGAGTGTGCT TTAGGGAAACA GACCATTTC CCTGCCTTG TGTCCTGGTT
145051 TGCACCCCAG AGAAGAAACA CAAAGCACAG GTACAAGGGG AAAATGGATG
145101 GCCAGTGGTG AAGAGAAATT GCTCTAACAC TTGGTTGAAC TCAAGTCCAA
145151 ATACGACAGG GACAGGTAGG GATTTACAGC TGGTGGAGTA AGGGAAAGGA
145201 TGGAAAATTAA CCAAGAGGGC TTAGTTTGGT GTAGGGGGTG GGGAACTTGA
145251 TTAGACTTCT AGGTGGAGGA AGAGACACTT GATTGGATAT CAAGAGTGG
145301 GGATCCTGGA TAAATTGGCT TCTCAGGATT CTTTGCTAAA ACTGGGCCA
145351 GTAGACCAAG GATTAGGCC TGCAAAGCAG AGGGCTCAA AAAGCCTGAC
145401 TAAAATTGTT TCAAATCTCT GTCACCAGGT ACTCATAGGA CAGGGAGTGT
145451 CTGTGAGGCC TGACACACAG TCACTAAGGA TGCTGGCGTG GCCTTGGGCC
145501 TGCCGTGATT GCTTGCTGGT GCTTCATGCA TAGTAAAGAT GGTCAAATCC
145551 CTGAGACCTA GAAGAGACTT CCTGCCTCGC ACGGCATTCC TCAGCCAGGC
145601 TTTGGAAGGA AGATGAAGCC AGACTCTGGT TGCTTGCAGA CTCCAGGAGC
145651 ACAAAAGTCTC CCATCTCTGA GACCTTGGCC CAGGCGCAGC TCAGAAACTG
145701 AGTGTGGTGT CAGGTACCT GCTCTCTAGG TTACAGAAAG CCCCAAAC
145751 GCTCAAATAG TAGGGAAAAT TATTTTACA CATTGCCAAG TCCATGAATA
145801 GGGCAGGCC CAGGCTCAGA ACCATCATCA GTATCAAGCG CCGGCTTCCT
145851 TCCACTCTAT CATCCTTCGT GGGCCAGCTT AGCCTTCCAG CTGGACCTG
145901 CAGAGTCACT CACAGACCCA CATCCAAGGA AAAAGACTAT CTCTTCAGAA
145951 TCCTCTTAG CACTCCTCAC ATTTCACTGG CCAGGGTAGT CTACCGGCTC
146001 CTTCCCGAAC CAATCGTTG CATGGAAGTG GGATTTCAGG AGTGTCTTTG
146051 ATTAATCGTT AGGAGTGAAG TGGAGGCTCC AGAGTCACCC CTCGCATCCT
146101 CCACATGTG TACTTTGAGT CCACTTGAGT TGAATTGAAT TCTGGGCCAC
146151 AGAGTGTGAGT GTTAATGGGC TGAAAGATAA TTAAAGGTGTT TTCTACATCT
146201 TGGAGTGAGA ACAAGAGCAC GCATGTGCC TGGCACCAAA GGGACACAGA
146251 GCTTGGCATA TTTCTTAGGA ATTCTCCAGG GTGTGGGGAG AGGGAGGACC
146301 AAGCTCCCAG GCCCTGCCCC TCAAGGGCTA TGAGTGCCAA GCCTGTGTG
146351 GAGCACCTGG CCAGCTTCT GTTTGAGAAG ACATCATCTG GGGGGCCAGA
146401 GGGGACATCG GGGCATGTCA CAGAACAGT TGTCGTGGCT CTCTTGCTC
146451 AGTGAGGACG TGGTCTTGAG ATCTGTGTCT ACCTTTCTCT CCCCCAATGCC
146501 CCTCTTTGG ACAGTGTCT TGATGGACTC AGGTGAGGTC AGATGGTTT
146551 TGAAAGCAGA TGGCCCCCAC TTGCTGCCTG AGAACATTGT TTACTCTCA
146601 TATCATGGCT GGCAGCAGGG CCTGTGCTTG GCAGGACTCT TCCTCTAAC
146651 CTGCATAGGC CTAGAGCTTG TCTCATCCTT GCTGAGAGCC AGGAGGTCT
146701 GAGGTGTGGT TGTGAGAATG TGTAGTTATT TTCTTATTTA AACATCTAG
146751 GTCTCGGTCT TTTCTTTTA AATGTGTTGG GGGAGTAAAG TTCTCAAATG
146801 AAGATAACTT ATGAGACTTA TTACGCAGGC TGATCAAATG GCATGATAAA
146851 TCATATAAAAT GGTATAAAAT GCTTTGATAT GAATAGCAGA ATAGTGAATA
146901 AGGATGAAGC ATCCAACCC TCTCCAAGGT CACTGGAGTG AAAATATCT
146951 TATTGGCGC CCCAGATATG TCCAGTCAGT CAGCAACAGA GCCTAGCTG
147001 TAACTCCGT AGAATTCTTG TGCTAATTCT GAGGGTTTGT TTGTTGTTT
147051 GTTTGTTTGT TTAGGGAGTA AAAATCAAAT TTGCATTCTAT CCCAGGATGT
147101 TTCAAGGACA GATTTACAGC AACAAACATT GGTGAACTAA AACTGGGAGA
147151 TTGCACTGTA GAGTTAGGAT ATGGAACAGA AAAATGTTTA AAGCTCCAGT
147201 AAACATACCTA GAAATGTAAT TAAGTCCCTT GCAAGAGGCC AAAATGCCAA
147251 AAATGTGACA GTCACCCCTGT TCTTGAAGAA CCACCTCTGG AGGTAATCAG
147301 TCTGTTATGA CAGGGGAGGA TGGATGGAGG CCCCCAATATT GTGTGTTGGA
147351 TTGAAACCCA TGCTAGTTAG GGTATTGTCC CTTTAGATTG GCAATTAA
147401 TATCAGAGCC ACATTGACAG ATGGAATTG AGTAAGTGAT TTGTGCAAGC
147451 AGTCCACAAAC TCACAAGAGA GTTTGTCTCC CAGCAGTTA GCATTAGGCA
147501 GTCATCTAGA CCTTGAAAAA CAAAAATGCA TTTTTTCCA CAGGAGTATT
147551 CTCCTGAATG TGGTTGACT TCTGCACTAG TGTCACAAAC TTTATTAA
147601 CTTCAATGTT GCTAAAAACT ACTTTATACA TACAATTAAAT ATCATGGAAT
147651 CCAATGTTA AAGAAAAATT GTAGCACTGA AAGGGAAATT GTTCCTTAT
147701 TTTCTCTGC TTGGCGTAAC CTGAAGGAAA CAGATTAAAC TGAAAGAGGA
147751 TGAGAAGTTA GCCTCAGAGC ATGCAAGAGT TGGAAGGCCTT TTGAGCCAGA
147801 GCTCAATTCA AGCCCTTGTT TATCAAACGA GGAAACTGAG ACTCAGAGAA
147851 ATTTGGTGTGTT TGGCCCAAAG TCACACAGCC AGCAGTGTGA CTAGCATTCA
147901 GGCCTGCCCC GACCCAGTGA ATACTCCCTG TAGAAAGTTT CCAAAGAGAC
147951 AATCAGATCC CCTAGGTAGC GTTGGGGCCC ACTGGAAAGT CGACTTTTT
148001 TCAGTTTCAC TATAAAACAT GCCCTGTTAC TTCTTAAAC GGAGATGAGG

148051 CTTGGCAGTA TTAGGCTTCT CTAGGAATAG AGCCCTGGAG CTCATAGACA
148101 GAAAGAAAAG AAATGTGTGT TCATCGAGA AGCAATGATA AGGTGAAACT
148151 AACTGAGCTG GAAAATGCAA AAGACCAAGGA GCAGAAAATG TGTGGTCCCT
148201 GCAAGGAGGA GCGGGGACCC CAAAATCAGA TGGCGGACAG ACAGCTGCAC
148251 ACTAGGTGGC GCTGTCATCC CCCCGGTGGC TTGGTTGCTG CCCTTGAAA
148301 GAGGCACTGGG GAAGGTGTTA CCGGTGGAGG GTGTCCAGGT TCTCGGTGTC
148351 TTGAACAAAG AATTGGACAA AACGCACAAA GCAAGAACATGA AGTAACATAA
148401 GCAGAGATGT ACTGAAAATG AAAGTACACT CCACAGTGTG GGAGCAGGCC
148451 TGAGCATAGG GCCTGAAGGG CCCCGTTACA GAATTTATGG GGGCTTAAAT
148501 ACCCTCTAGA GGATTCCATT GGTTACTTGG TTTACACCCCT ATTTAAATGA
148551 AGAGGATGAA GTAAAGTTAC AAAGTCATT ACTCGGCGTA CACCCTATGG
148601 GGAGGATATT TCCCTTCGTA GCTGAAGTGT GAATCAGCCT CATGTGTTTC
148651 CTGCCCTCCAG ATCCTATTTC CCTACCTCAA AGGAGGACCC TGTGTCCATG
148701 ACAGGGGCAG GGGGAGAGTG TGGCATGATT CTTTGCCTAG GGAAAGGGGA
148751 GGGTGGTGGAG ACACACAGCT CACTAGTCCA GTGTGGATAA GCCAGAGTTC
148801 ATCAAAGATA ACCCAAAACT CAGCGCCACA GCATTTCACT TCCCAAAGCC
148851 TGAGTTGACG CTTATGGTCT CCTGTTCTCC CATGAGAGAG GTAGCCTTGG
148901 CCCCCACAGC CTCTTCCCTC TCCTGTGTGA CCCCATGCC TCAGACTACA
148951 AACTGCTGGA GGACAAGGAC TGTCTGTTT GTTTGCTTT GTTGTAAATT
149001 CTCCACAGTC TCCTCTGCA ATGTTGATA ATATCTGCTA ATTGAATT
149051 TAATTAACTC AACTCTAAGG TAGATTTTG AGAGCAAAAC AATTTTAAA
149101 AAAACATTAT TTTATATTGA CACTTGAAGT TCTAAATAAG TGGGTTTTT
149151 TTAACCTGGA ATTAAAAAAA TCTAATCCTC GTCATATTAA ATTGTCTAA
149201 ATACTGAGTG ACTCTTGGTA TGCTATTAAT TCCACATGCA GACTCTTCAT
149251 GGGTGGTGGC TGATGGGGC TTCCCTCTCC ACTGTTTGG AGGAAGGGCT
149301 GCCCCTGCACG GACCCCAAGGG TGGTGGAAAG GAAAGCACT CTCGGGACT
149351 GTCGGTGGGT TTGCTTGTCT CTTTGTTTT AGCCTCAGAA TAAACATATG
149401 TGCCCTTGC TTCAGCTC CAGGCCCAAG GAAATGGGG AAAACAGTGG
149451 AATCTCTGCA GTTCTGAA GACTGCTGGC TGAAGCTTC CCGAGACCT
149501 TCAGCCCCAC ACATGCCCTC CTGCTCCAG AGGCAGGTGG GGTCTGTTGG
149551 AGGTGGGGC AGTGCACCCA TACCTCTAAC GCAAGGGCT GAGCCATCCA
149601 TCAGCACCAAG CTCGACTTTC AGAGGCCATG GGAGCTGGGG TGTCTAATGT
149651 CCGCTCGGCC TCTCCTCCGT CCCCGTCTAC AACAGGTGTG TGTGCACCC
149701 ACCCCCTGCT GCTCCAGAGC TCCTGGAGGA TGTGATGGGG CTTCACAGG
149751 AGGCTGTCCA AGCCAACGCT TGAAACAATC TAAAAGGTTG CAGGTTTAC
149801 AGCACTCAAT CTTCCCTCC TCCTCTCCCA CCTTGTGTTT GGTGATAATA
149851 CTCCACAGA CAACAGTGTAT GCCAGTGTGTT GTGTCTGTGA GGCCCTGGTA
149901 ACTGGAAAAC AGTTGCCCAT CATCTGGGG CATTCCCATG AGGCCAGGCC
149951 ATCCCCAGTC CACAGATGGG ACCCAGGCC AGAGAGGACA TGTGGCTTGC
150001 CAGATGCAGA AGGACGGGGG TTCCAACCCC AGGGCACCTC TCTGGCATTC
150051 CCATAAGGA AGCCTATTCT CTCCTCATGA AATACATGGG ATGAGATGCT
150101 GCCTGGCCA ATGCCAGACC TAACTCAAT TTGGGATGAA GACAGAGAAC
150151 GGGGAGGAAG GAGGCTCACT ACCCAAGGAG GTGAGCTGAT GGCATCCCTG
150201 TTTCTTCCTG GGCATACACA GCTGGGATTG TAAAACCCAA GGCAGATATT
150251 TCAAGGCTGC CATTACCATT TTCTGAAGGA CAAAATCATT CTTTTTATT
150301 AATACATAAAA TAACTTTTT CTTGAGCAGG CCCAAAGAAA TGAAACACAG
150351 ATGGTGATAA TGTTGAAAAT GTTACCTAT TTCCCTCTCG AGGACATCAG
150401 ATTAGCCTTT TCTGTGGCG GAATGTGTAA TCTGCTGGAA GACAATATCA
150451 TCCTTTGAT CTTAAATAC ATTTTCATA TCTTGCGC AAAAGCTGAT
150501 TATTATCATG ACATTTTAA ACAATGACTG TTCACTGCGC AGAATGGGAA
150551 AGGAAGGTT AGCTGAACGT ATAGATAGAT AGATGCTTGT CGGAGGCCAG
150601 GCTATGGAA TGAATTTCCTC TGTGTTCTT CTGGCTGGTG ACATTTGACA
150651 TTAACCCCTT CCTCCCGGAC TCGGTCTTGT GCACTAATTG GAATCTGAT
150701 CTCAGCTGTA GGAATTGGCT GCTCCCTCATT TACATGCAGA GACCATTGAT
150751 TAATGGCCTC ATCCACTCC TCCAAGGTCA CTGTTGCTCCC TTTTCTCTG
150801 GAAGTAAAG AATGCTGTAT TAAATGGCAG AAGCAGATTG AATGGGGAAA
150851 TGTATGGGGAGGGCTTTGT TACACCAAGT GGCGAACATGC AGACTTGAGA
150901 TGCTGACGAC TCCCTTGTAG GTGGAGCCCA TCAGTGCAGA TGACACAGGC
150951 AGCTGAGAAG CGTTTGTATT GCCCCGCTGC CTTGGCTGGC TAACATGAAA
151001 CTGACAATTCAAGGAGCTCCTCTTCACAG CTCACTCGCA TCCCTTCAGG
151051 GCTTCACAGC ATTTCAAAGG AAAGGCATTG GATAAAGGAG AAAGCAGCAG
151101 AAGTGGAAAAG GACACAGATT TCAAACATTC TGTTTCACAT TGGCTACAGA
151151 GTTTGTGTTG TCGGGGGAAA GGGGTGAGTC TATGCATACC AGGTACCAACC

151201 CACCTGTGTG CTCCAGAAGG CCCGTGATGT CCTGCCAGT TGCTGAAATC
151251 TATAAAATGT CAGGCCAGGT AGCAGCAGGG TGAAAGGCTG GAAGCAGCCA
151301 GCAAAGGAAA GGTTAACGTG CGCATGCTGT TTGCAGTTCC ATGGCATGTG
151351 GCATCTTGCA CAACCAGGCC ATTTGCAAC CGAGTTAAAA TTCCCCTGCA
151401 GCCACAGGGA GGGAAATAGAT AAATCATGAA TGAAATTGAAA TTATATTCCC
151451 TTCTCTTAGC TTTCTTTTT TCTTCTTCTT TTTTTTTTC TTTCTCTATC
151501 TCCCCACTCC AGGAAAAATG TTACAGAAAA TTATAGGTTG TAAATTCCAC
151551 CCAGTGCATT TAGCTCCATC CTTGCTGAGG GTCAAGAGGA TGGAATCTCA
151601 CCAGTCATAT TTCATGAGGT CTTTCAGCAA GTTCCTGTAC TGTGTAGAGA
151651 TCTGAAGGGC AAAAATTCAA AAAGTCAGCA GGGCACAAAT GGACCAGAGG
151701 TAGGAAGCAG ACAGGTTTCC TGGGGCATCC TCTGGGTGCA GCCAGGCTGT
151751 GTGTGCTCCC AGCTCTTC AACTCAGAAC CATTATGTGTC ACAGATAGTT
151801 GGGGGCTCGT TCCTATGCTG GGGCAAAACC ATAGTGAAGA AAATTGCATG
151851 CTTATGTGGT GTGTTACTTG TGCTTCAGGG TTTTTGTTT TGTTTTGTTT
151901 TGTTTGTGTT TGTTTTTTA AGTACAACCT TGTATGATGT GCCTTGACCA
151951 TTGACAAGTC TTCAGAAAAA AAGGAAAGAA AGAAAGCTTC ATACTATTGG
152001 GTCCTAACCC AAAGTGCCAG TGACCACCAA GGGCTGTTGG CCTCAGCAGG
152051 GAAAGCCTGT GTCTGGGCT TGAAGGCAGT GTAGGCAGCA GGCAGAGAAAT
152101 CAGCTGGTTT TCCCCCTCC TAAGCTGGAC TAATGCGTAA GCTACACTGA
152151 AGAAAGGGGA GGGTGAACAT CCCCCAAAAG CAGGGCTCAC TAGCCAAGTG
152201 TGTAACCCAG AGCACATCAA AGCTAAAGCA AAAAGTAGAA GCCAAAGCTA
152251 TCACAAAGGCC TAAGTTGGCG TCCAGTCCGA GCATGGCCCA CTTGTTGTCT
152301 CAGGACGGCC AGCTTCACAG CCAGTGGGCT TCATCTCCAC CCACCAGGAG
152351 GTTGGGCTA GGGTGTGTGT ATGTGCATGT GTGAGTCAGT GAATGATGTG
152401 CTGCAGAAAT CAGAAATACA GAAGGACCC GAGGAGCTCC TCCAAGAGTC
152451 CCTGGGTGTC TAATATAACC AGGACATTAT GCCCAAAAGA CTGATCCACA
152501 TGGCTGAGGC TCTTACAGG AAATACCTGCA ATTGCTAAGT TACTATCCCC
152551 AGAACGCCCT CCCCTGCCT ACACGTAGCA AGTAGAACTT GCTGATGACA
152601 AGACACTACG AGAGCTGGGA ACCTAGAAGT ATTGGCGCAC TGTCAGACCT
152651 CCAGGAGCCT CCCTGTGGGT TCAGAGGGAG CATGCACATG AACTTCTGGG
152701 TGCTAGCCCA GGCTGGAGGC ATTCCCTTCC TGCAAGGGGA GCAGGAGGCC
152751 AGCACAGGTT TGCAGAAAGTC CATGTCCTCA GGCTGTGGTG GAGTGTGGGC
152801 ACCAGGCCAG GAGTCTTGTG CATAATTCCA TGTCAACCAAC CCTTGCCCT
152851 TTGACCATTC ACTTCTCTTC TAAGACCTTA AGTATCATT TGCTCTGAA
152901 GCCTCTTGA ATATGGTCTT GAGCTGACAT AAAACTTCCC TTGGGATTTT
152951 CCTCTTTTC TCTCCATCTA GACATTCTC TTTTGCAAGGC CTCTTCAAA
153001 GACCCTCTCT TGTCAGCTTC AGCTGGCTAA GTCTGCATGC CTGGGCCTT
153051 CTAGCAGGTA TTGAAAACG CAATCAATGT ATGTTAAGAA ATGTAATCAA
153101 TGAGGTACAC ATATATATAT ATATGCTTAA AAAACAAATT TATTTTATCT
153151 TTTGCTGTGT TATCGGTAGC AGTTGCAATG TTTTACCTTC ACCCAGAAAGT
153201 TACTATGCCA GAAATGCTCT CATTCAATTCT TTTGGGTTCA GCGTTTCTT
153251 GCCTATTATT TTCTGGGAA ATAAAAATAC CTCTCAAGAT AATTGCCAG
153301 CATTTCATA GGATGAGTT GTCCCTTTC TAAAGCAGGA AGGCTAGGAA
153351 GTACCAAGAA GAGGAGCCTG GGTAGATGAA GGAATAAAAGA GGAGGAAATC
153401 TAAACATGGG GAGATTACTG AATGTGCCAT GTGCACCTCT CCCTCTCCAC
153451 TCTTCCTCAA CTCAACCACA AACCTCCAA GGCAAGGGCC ACGTCTCCCT
153501 CATCTCTCTA CCCTCCTCCT TTAGTATGGA GCCTGACACT CATGCCTTCA
153551 TTTAACCAAC CCATGTTGAG TGAGGGCTAC TCTGCACCAA GTACTGGCT
153601 GGGAGTGGGG CACCGAGTC ACAAGACAAG GCCCTGCCCT CAAGGCGATC
153651 TCAGTTGTG AAGGAGATTG TCAACAGAGA AAACTCTAAA ATGAAATGCC
153701 ATGAGGAGAC CCCTGTGATA GGAGGAGATG CTTAGGAGC CCACACATCT
153751 TGGGGTCTCA GAAATGCA GCCTGGTCTG GTTGCTGAGG GACCACCCCC
153801 CACAGAAAAG AAAAAGACG TTCAAGCCCC AGAGGGTGAC TGGCAAACCTT
153851 TGTGTGGTAT TCAGAACAGA CAAATTCTAG GTCAACAGAA TGTGGGTGGT
153901 GGCTTATCAC AGAGCGGGGC AGGCCATCGT ACTCGCGCTC GGCTGCCCTCA
153951 TGAATTCCCT TCAAATGTTCCAGCTAACG TGTGATTCCA TGGTGAGAGA
154001 AATGCCGCCT TTGAGGGCAG AGATATTTC CTTCTTGAC AAATAGTTTC
154051 TATGTCAGG CAGCCATCTG CCACCTCTGT GAGCTTATGA GATCCAGCGA
154101 CTGCTGCTGA AGGTTCAAGAT TCAGGATTGA TGCCGAAGTT GTGTGTGGAG
154151 GAAGGGGTAT CGCTGGTGCA AACCCACCAT TCAGAAAAAA TTAAAATCCA
154201 GCACCCCTCC AGCTGAAGCT TGTCCAGGAT TTCTTGCCA AGTTTCAATT
154251 TTAAAAGCTC TCGAACTTTA CTCAGATGTA GGTATTTTG CTTTGTACTC
154301 AGATTTCAC CAAACTGATA TATCATTAAA CCTTTGTTT TACAATACAT

154351 GCTTTATTGC AAAACCAATT TCAACAAAGT ATTGCAGATG CAATGTAATT
154401 TTTATGTCT AGTTGTTGT GTTTTTTTT CTTTTGGT TGCTAGGGTA
154451 CCAAATGCTT TTGAGAAAGT AGCGTGATAG TATCTATAAT ATGGTGGTT
154501 TCTGGATAAG AGATTGCATT ATCCTCATGT AATATATTTG GGCAGACTGT
154551 GTCCATCATG GCTCAGCTAG ATAATAAAAT TAAAACTCGC TGATTGAGGA
154601 GGAAATGTGA TATTTATATT GCTGAGAATG GTTTGTGCTT CTCTTCTGAC
154651 AGCTGCTGTG TTGCTGGGAT GCCTCATCCC AACCCAACCTT AGTTGTTCC
154701 ACTTCTTAGG AAATATAAAA ATGCTGTAAT GTTTTCAGGA CTGTGAAAAC
154751 ACTGCCCTAG AGGCTGGGCA GCCACTGTTG CTCCAAAGCC TCCATCCCCT
154801 CAACCTGGCC CCCCTTCCT GATTAGTCAT GAGATGACCT AAGAGTCCTT
154851 ATTGGACACC AACTCCGTGC TGGACATGGT GCCCCTTCAT GGGGATCAGT
154901 GCCCTTGCTT GGGGCGTGCT GTGGCTCCC GCCACAGACC CACTAGGAGG
154951 TTTCTAAGAA GGTGGCTTGT TCCTTCTCTT CCATTTCTT CTCCAAGTTG
155001 ACAGCCTTGG GTGGGCAAGA GTCAGGGCTG GCCCCAAGGT CTAAGCTCAG
155051 GCAGATATTG GTCCCCAGCT CCTTGGCCTG GGTCCAGGAG GGACTTGCCT
155101 TGAGATAGCC CAAGATAAGA CAGCATAGGT CCCTATGTGA GGCCCTCTG
155151 CCCAGGTGTA GTGAAGTGCT ACTCCCAAGGG ACAGGTTCCA TTGCCTGGGG
155201 GTGGGAGCAT CCACTCAGAA GTTCATCTAG TCTGAATACA AGATCTTGGA
155251 AAAGCTATTG TGCAAGTCTGT GTACACTCG AGTCTATATG AAGACCGTGG
155301 GAATTATGAT GATGATGATG ATGATGGTGA TGATGAAGAA CTACAGACTT
155351 CAAGAGAAGG TGGCATGAAT GGGGCCCTC AGGAAGGAGA AAAAATTCCA
155401 TGTTCTGTTA CTGCCCTTC ACTGCTCTGTG TTGTCGTTGG ATGTAGAAGA
155451 AGAGTGACAT AGAAGATACA GTATGGCACA CTGAGGGGTG GCCCTGGCCTT
155501 GGATCTGGAG TCACTCATCT GTTCATTCAT TCATTCAATTC ATTCAATT
155551 GAGCCTGTAT GTGCACAGGC ATTGTCTAG GCACTGATAT TGAATTCAAG
155601 TTCATAATGC ACCATTGTA TAACCTCCAA CAAGTGAATT CACTGCTGTG
155651 CCTCAGTTGC TTCA TAGAGT TGTTGGTAGG ACTCTGACTA AATGGGACAC
155701 TGCAAGAGT GCGCCTGCAA TAAAGAACCTG TCATCATCCT GTCTTTAGA
155751 TGTAGTCTGA GAACAGCAGA GCTGTGCCAT GTGTGTTCTC TCTGGCAGGA
155801 ATAGAACACG GACACTCCAC TCAGCTGCCCT GGGGTCCCTG GAAGAGCAGC
155851 CACTGGGCT GCCAAGCAC AGCTCCTGCT TTCCCTGGATT CAAACCTGG
155901 CTCTACTACT TACAACCTGA GCGATCTTGG ACTGATTGCT TAAACCTTT
155951 GAGCCTCAAT TTCTTCATCT ACACAGTACA TTAATACGA GCACCTACCT
156001 CATAAGGAAG TTGTGAGGAT TAAATGAGTT AATACATGTG CACCTCTCAG
156051 AGCCTAGCAC TTAGTAAAGC ACTAGATGTT AGCTGTTGTT GGTGGTGGT
156101 TTTCTGGAGG AATTCCATT TAAATGAGAA GTGCCTGTGG AAATTGCCTG
156151 CACAGAAATC TCTTAGCTCA GGAAAATTC TCTGGCTGCA GATCCCTCTA
156201 AGAATTCTG CATTGTTTC CTCTCATTGC TCAGTGAAC ACAAAATACCT
156251 TTGTCGCCCTT TAAAAAAATTG AGTTGTTGG TTGTTGACTT GAGAGATATG
156301 AGCAAAGGAT GATACAACAA GAATAGTCTA TATCTTCTTA GACATGCTTC
156351 TCCCCAGGTA ATCAGAAAGG CAAGAGTGC ACTCTGCCAT GCAGCTAGAG
156401 TTTTTATATT TCCAATGGGA GTGAGGCCAG GCAGGCCAGCT TCTCCTCTC
156451 CTGGCAAGGC TCTTCTGCCA AGTTGGGAGG GCTCCATCCT CTGTGCCCA
156501 ACAGCCTGCT GTGTGGAACCT CCACGGCAGC CCCAGATACT CTGTAGGTCT
156551 ATCTCCCGAG CCAGGTGTGG GCTCCTGGGG GAAGAGGGAC CATACTTT
156601 GTATCTGCAT CTACAGTGCC TGACAGGGAA GCATTAGGAG GCAGGCAGAC
156651 AGCAGGACAA ATGGCTCCTT CTCTCTTGG CTGTGGCCAC CTTGGTGCCT
156701 ATAGCTCATG CGCAATCTCG ATGCTCTCTT CCCCTGGTGG AGAGGTACAG
156751 CAAATCCGTT GCCAGACAAA CAGAAATATT CAATTCTTCC GCCCAACTTG
156801 ACAATTCTG TTCCCTCTC AAATGCTCA GGAGCCTTGG AGAAGTTCT
156851 GTCCCCCCC CCAGGGCTCA GTTCTCATC TCTGAGATGA GGCTGCTCTG
156901 TACCCAGCAA AGTGTCTCAC GGACCCCTGGC TTAGCCCAAG TACAGACAGA
156951 GGTGGTGGCT CTGCTCCACA CATGTTTTC TGCTGTGTT TGGTCTGTT
157001 GGCCTTTCT TGATGTTAAC ATTCTCTTT TTCTCTTT TGAGACAGAC
157051 TTTGCTCTT GTGCCCTCAGG CTAGAGTGA GTGGCATGAT CTCAGCTCAC
157101 TGCAACCTCC CCCTCCTGGG TTCAAGCGAT TCTCTGCCCT CAGCCTGCCA
157151 AGTAGCTGGC ATTACAGGGT CCTGCCACCA TGCCAGCTA ATTCTCTT
157201 TTTTAGTAGA GACAGAGTT TGCCATGTT GCCAGGCTGA TCTTGAAC
157251 CTGACCTCAG GTATCCGCA CGCCTCTGCC TCCCAAAGTG CTGGGATTAC
157301 AGGCATGAGC CACCGTGCCT GGCCAACATT CTCAAACCTT CCTTTCGTAA
157351 ACAGCAGGCC CTCAGAAGGC TTCCCTGATTG GAAGGGAAAC AGTGAAC
157401 AGCCAATGCA GGTGGAACAA ATCAATGTGT GCAGACCCCTG CCTGCCTAAA
157451 TCAATTCAAC CTGCCCTCTA GGGACTTGC CATAACTGGG AAAGAGCTTC

157501 CTTCTCCGAG TTACTTAGGC CCAGATCTAA CTCCCACATCCT TTTGGGTTTCC
 157551 TCTCCCTCCA TTCTTCTTCC TCTCCCAGTT CCCCTTCTTT CCTCCCTCCCC
 157601 ATCATGCCCTC TCCCTCCCTCT GTCCCTGTCT CCCTCCACTC ACCCCATTCC
 157651 CCCCTCCAGGG TGAAGAGTCT GGCTACCTGG GAACACCTGG GGTCTGGGTC
 157701 TTGTCAGCA TGTAAGG GCTGGCATCA CCTGGCTCTC CCCCATGGT
 157751 CTGCAGGCCCT GATCTCCCT CCTCTGTGAA TGCTCCAGCT CCCTGATGGA
 157801 TCTGATCTGA AAAGGTGCGG GTAGACTCTG CATTAAGTCA GCTGTTGTG
 157851 GCACCAAGAT GACAGGTGTG ATGTTTCTCT GGGGATGCCG AACTGGAAA
 157901 AGTACCATCT CCTGTTGAA TGGAGTTAAT GGCGTTCGCCG TCAGGACAGC
 157951 TGCACTTACA TCTGGTGTAA AACCAACCGTT ATTAAACTT TATGATGTGA
 158001 GAGGATGCCA GCTCGTCCAC TTGCAACATA TAAATTATGT CGATTGCTCA
 158051 TGCACTTTT TTAACCCTGA TTCTTCTGAA TTATGAAAGA TGGACAAGAC
 158101 CAGTGGTGGT TCTCAGAGCT CCCCTGGGCC CTGGGGCCG TGAGTGCTCG
 158151 GTGTGTGTGC AGATGGCTAA AAGGAAGCAG CAGGGCCGGA GCCCATAGCC
 158201 TCCCCCAGCC ATTAGGGCAC AGTCCTGGCT GAGCCTCCCA GCTCCTGAGG
 158251 GGCCCATCAC TCTGGGCTCA GTAGGTTACAC CCTCAGGTGA CCTCCTCTGC
 158301 CTTCTTCTCT TGGGGAGATC CATAATGCAT GTCATAAAGA GAATGGACCC
 158351 TACAGCTGGT CTGCCTGTA AAGTCCTCCC TGATAGAAAT CATCTGCTT
 158401 GCTGTGGGTT TGCATCATGG GCTGTTTTT CCTGGGCAT GGAGATGGAG
 158451 GAAAGACTAG TATTTGTGTT TGGTGAGGAA CCTAAGTAAA GCTCTTAGCA
 158501 AAAAGAATTTC TTTCAAAGGCC AGCTGTTAAG TGGCTATTCC AAAGCCACTT
 158551 GTACAGGGGC TGCCAACACA AAAGCCCTT CACATTCTG AAGCAAACCTT
 158601 GACCTAAACC CAGAAAGAGA AGCCTGGATT GTAACCTCTG CTAGACAAC
 158651 GACCACAGTG TGTCCCCAGT AAAGGCCAG TGAGGACCCCA AGAGCAGAGG
 158701 TCCCTGGGAT CAATTCTGTA GATTCCTTT GCTCAGGATG AAATCCAATT
 158751 TGCCCTCCAT TTCATTTTTT TAAAAAAATT CCGCATTTTG CCAATACTTA
 158801 AAAGACCCGC AGGGAAAATG AATTGACAG TGTTGTTGGA AGGGAGAGGA
 158851 AAAGAGCGCA CCCAACAGGG AACACCCGCC ATCTCAGACA GAAGTCTGGG
 158901 AACTGCTGTG ATGGACCTTG AAACACGGGA GGAGCAGCAGA CCTCACCCCT
 158951 CACCTCGGAC CCCGCCTGGG GTGGTGTCT GAGGAAGGCT CTCCCTGTAA
 159001 TCCGCCCTT CAGTCACTGT CTGTTTCCA GGTTTCCCA ACATGGAGAT
 159051 CACTCCTGGT TGCTTTATTG GGTCACAAAC CACGGGCTTG TCTCCAGGCC
 159101 CCAACCCCCAG CCACAGCTCC TGCTTTCAG AGGCCCCGCGC GTGTTAGACT
 159151 ATTTGGCCAT GTTTTACCTT GGCTTGCTA GCTTCAGCT GACAGTGTCA
 159201 TGCCAGCTC CCTCTCACAA CCCCAAAGGG TTCTGTGTGG TGCCCTGATGC
 159251 CACGGAACTC CACATGATGG GGTTGAGATG TCCCCCAAAC AAGGCACCAAG
 159301 GCCCAGCGTT CTGAAGAGGG GTGTCGGGGT CATCTCAGTG CCAGGAATCC
 159351 ACCTGGCAAG CAGGTTCAAG GTGAGGGCGCG AAGGGGCAGT GCAGGGCGAG
 159401 GCCACCCCTAC CCCCCAGGCC TATGGTGTGC ACAGACGCAG GGGCACAGGG
 159451 GCACGTGGGG CGGATCGTTC TGTAGAACAC TCAGCGCTTG TTTGGGGTCA
 159501 TCTTCAGGGG ATCAGAGGG AGGGGCTGTT TGCAAGAGATG CTCCCTTCCC
 159551 TTTCAACCCC TGTCTATATA ATATATATAT ATATGCGCCT GAAGGCTACC
 159601 ACTAAAAATGG AAATGTTATC TGGGAGTTGT CAGAATTACC TCCCCAGTAT
 159651 AAATTAGTCA ATGCCATTAA AACATCTGGG TGAGAATTAG TCAGCTGATT
 159701 ACCTAAACAT TGGTGGCAGC TGTGGCTTCA AAAGAGAACT AGATTGGGG
 159751 ACCTGAATTAA AAAACCCCCAT CTTATCACCT TTGGGTGTCA AACTTCATTG
 159801 TGTTTAAAGAA GCATCTGGGG AGTTGCGCA AAAGGCGGAA AATTCTGAGC
 159851 GCCCCCCCCC CCCGCCCGG CACCCCTGGG GATCTGAAG CCGCACTGTC
 159901 TGACCTTGGG AGCTGTCAAG GACCTCTCAA CCTCAGTCTT CTGTCTCGAG
 159951 AGTGGGGACG TTAGTGTGTT CCCAATGGTG TCATGGTGAG GACAGTGACA
 160001 GTGAGCTGAG CTCTGACAGA GGCAAGTGCC CACTGCTGCC GTTCACTTTG
 160051 TTGTTACCGC CCTTTAACCT CTGTTGCTGCC TCTACTGTGA GCCCCGGGAG
 160101 CAGGGAAACAC CTGACATCAT GTGCTCTGAG GGAACGCATT GAAAAGCCAA
 160151 GGGTGGCACC TGGAAAGGGAT GGGTTACAAA GAGGCATCCA CACACCTGCA
 160201 CTCTGGCTG TCCCACACTGGC AGCATACGGG GGCCCCCTG TTTCTCTCCT
 160251 TCAGACGGTG TGGGTGCTGG GCCTGGTGAT CTCTGAGCC ACTGAGGACG
 160301 GTCCCTGGGC CTGTGGAAAA TAGAGGTGCA GGGAGAAGTC TAGAAGCCAT
 160351 GACTGTGACT ACAGAGTGAAC CAGAAACCACAT TCGGCAGGGC AGCCCTGGGG
 160401 AGGGAAAGCAG CATATGGTTT CAGCAGGGC AAATTAACGG AATGTTATCT
 160451 TCCTCTACT TTATGATCAC TGTTTACTGA TAGTGCTTAA TTAAAGTGT
 160501 GTTCTCAGCA TCTCAAGTGT GAGCAAAGAC TAAACCACGG CTACTTTCAT
 160551 GCTAAATGTG AAACATGGTG TACTCACACCA TGCAAACAAA GAGGAGAAAT
 160601 GACAATTCC TCCTGAAAGG TACCTGAAAT TAAAAATCT TGCCATCTGT

160651 TCCAAGAAAG AAAAAAAA GGAGAGTTCT GCTGAAAAAT TAGGAATTT
160701 CCATCAGAAT GGTGGGATTA TGAGCTTGC ACTAAAATGA CATCTTAGAA
160751 AATTATAATC CTAGGCTGGG TGCAGTGGTT CACACCTGTA ATCCCAGCAC
160801 TTGGGGAGGC CAAGGCAGAC AGATCACTTG AGGTCAAGGAG TTCAAGACCA
160851 GCCTGGCCAA CATGGCAGAA CCCTGTCTCT ACTAAAAATA CAAAAATTAG
160901 TTGAATGTGG TGCGGGCAC CTGTAGTCCC AGCTACTTGG GAGGCTGAGG
160951 CAGGAGAACATC ACTTGAAACCC AGGAGACGGA GGTTGCAGTG AGCTGAGATT
161001 GCGCCACTGC ATTCCAGCCT GGGTGACAGA GTGAGACTCA GTCTAAAAAA
161051 AAAAGAGAAG AAAAGAAAT TATAATCCCA CATACATGGT TGCTTATCAT
161101 GTGTTTCGGT GAACCTTATG GAATTCGAGC TCAGGAACCC AGACCTACCA
161151 TCTTATGAAG CGGGTCATTC TTTCTGATCT GCCAGCCAGG TGCTTCTCAA
161201 AAGCACAGGA TTTGGAAATT TCTGGGAGAT GCATCAGGTA CTATTCTGAT
161251 TCATCAGATA AAAGTTTGGC CTTAAGAAAA GATAGAATAG TAGAGTGGTT
161301 TAAAGGGTGG ACTTGGGCAT CAGGTGACCT GGGCTGGACA CTTGGCCATA
161351 TAGAGGCTTG GACAGGTGGT GCCCCACACTC TGTGCCCTGA CTTCCCCGGC
161401 TGTACACAG GCTGGTGGTG ACACCTCACC AAGAGGCTTG TCCCAGGGCT
161451 TGGCACACAA GTCCCTCTGT ATATCAGCAT CACTGCTCTT CCTACTGCCT
161501 CTTCTGCTGC CCTGACATCA CAGCACATGG GTGGCCTCAG AGCATCGGCA
161551 GGGGAGCCCA CCGTGAACAG TCTCCTGGGT CCTGAAGAGC TGAAAGATGT
161601 ACTTTGTAGG AGCTGTCTT TCTCTTCAGC CTACAGGAGC CACTTGTGGT
161651 CTGAATACCC TAGACCTGTG CTCTCTTCCT CTGCCCTCAG AACCCCTCA
161701 GCCACCAGCC CAGTCATGGA TGGTCAGAGT GCCTGAGACT GAGGTCCACA
161751 GAGGGGACAG GATGAGTGGG GCCACAGAGC TGGGGAGGAC CGGGGAGAGG
161801 CCTGGAACCT GGATCCACCA TCAGAAGAGG GAGCAGCGGT GTGCAGACAT
161851 GTCCCTCTAG GGGCCTGTGC TGAAACAGGA ACCTTGTG TAGACTTTGG
161901 GAGGGGGCTG GGCTGGGGGA ATACGGCTGC CTGAAAGAGG ACCGGCTCCT
161951 GATCCCCACC TGCGGAGGGC CCCGGGAGGG AGGAGCCCA GTGTGTTCCA
162001 GGCAGGCTCT CCTGATAGTT GGTTAGGAAC CACTCGAAAG AGAACACTTG
162051 GAGGAGTGGG GGGAGTGCCTA GTGTCAGCAA GTGGGGAGCA GAAGAGAGCC
162101 CCACAGTGTG GAACAGGTAG CCACAGAAC CCACAGTGG ACGAGAGCGT
162151 GAGGGGTTGT TGTTGTTAAG ACAGAGTCTC GCTCTGTTGC AGCACAGTGG
162201 CATGGTTCGA TCTCGGCTCA CTGCAGCCTC CACCTCCTGG ATTCAAGGCGA
162251 TTCTCCTGCC TCAGCCTCCC AAGTAGCTGG GATTACAGGT GCCTGCCAGC
162301 ACGCCCGGCT AATTTTGTG TTTTTAGTAG AGACAGGGTT TCGCCATGTT
162351 GGCCAGGCTG GTCTCCAATC CCTGACCTCA AGTGATCTGC CTGCCTCGGC
162401 CTCCCAAAGT GCTAGGATTA CAGGCCTGAG CCACCGAGCC TGGCCCGAGA
162451 GCCTGCAGGT TTTGGTGGGG CTAAATAGC TACTGGCTGC CCCCCAAATAG
162501 GGGTGGGTG GAGAAGTCTC CTCAGATGAA ATGAAGGTCA TGACTGCAT
162551 CATTTTATA CCCTACAATC AATCACTTGG GGAAATGGCT AGCCCTTGAG
162601 TTTATAAAC ACATATAAAC TTGAGTATC CATTAAAAAG AACTGCCAGG
162651 GGACACGTGG TTTGCCTAGA ATGGCACCCCA GCCTGCCATC TGCTCCTGTA
162701 TGTAATTAT CTGTGTTTA TAACCTTCA TGGAAGTTGT TTAAAGAAGA
162751 CTGCTTTTT TTTTCTCCT TTAAACTCA AGTATAAATT CAAAACCTCAC
162801 TTAAATAATC CCCAAGAATT TCTCTCTGTT AAATATTGCT GCAGCTCTGA
162851 CAGGCAAATA CACAGGCCTG GGGACCCGGG AGGGCCTGTG CACGTTTGG
162901 GGAAGAAGC CCCCGATTGA AGCCCCCTCCT GGCAACTCTCC CAGCTACCA
162951 TCCCAGTCTG CTCTCAGCTT GGTATCTTAG AGACTCCCAG GTGGGGCCAA
163001 CTGGCTCCCA GGAGTGGCGC TTCATCCCCA GGTTCCACAA GGATCCTTGG
163051 GAGTCCTGTA ACAGAGGGCC TGGGTGAGAC AGCATAACCC AGCACTGCAG
163101 CCAGGTGTCA GGGCAGGAG CCGCAGTGGG GTGGCAGCCG GCCCATAGGT
163151 GACCCAGACG AGGCCAGACCC CACACTCCCT GGCTGTGCT GCCCGCAGC
163201 AGTGATCTGA GGGAGCACTC CCCGGCTGT GCTGCCCGC AGCAGTGATC
163251 TGAGGGAGGC CTCCCGGGCC TGTGCTGCC CGCAGCAGTG ATCTGAGGGA
163301 GCACTCCTGC AGCCAGGCCA GTCCCTCACC TGAAATCCC CATAGATGGA
163351 CCCTCACCAAG TAAGGCTTTT TTAGCTGGAA GCTGCCCCCTC TGCTTCTCGA
163401 TTTTGAAAG TAAATGGCAC CTCCCATGCC AAAAGAAGGC AGACTTGTCTC
163451 TTTCGCTTGA ATGTGAAAC ACTGGGAGCA GAAGCAGGTC TGGATTGCTG
163501 GGTCTCAGT CCTTACCCCT CAAGAGGTGC TATGTGCTAG GTGCAGGGCT
163551 TAATGTATTT TCACACATGC TGGCTACAAG GTGTGTGTTT CCATCTGC
163601 CCAGCTTGGG GGCCTGCCAC ACCTTTCCAC AGGCTATGCA CCAAGGTCA
163651 TGGCGGCAGT AGGAGACAGT GGGGGTAAA CAGGGGCTAG GAGCAATCTG
163701 GCATCTGCC CTCCCTCCCTT GGCCCAAGAA ATGGAAGCTG GAAGGAGAGA
163751 TGCCATGGGG TTAGTGGAGT GGGTGGGG CTGCTTGAGC CCTCGTGTCT

163801 GCTCATCTCA TTCCCTGTGC CATGGGCCA CAGCTAATAA GCACCCACGT
163851 TCTGGGAAA GAGTGAGTTA CCCCCAAGGAC AGGCCCACATCC AGCTCCCTGC
163901 AGAACGCCCT ACTTCACTTT CATTCTGTGC TGTTCCCTGA GAGCCCACAG
163951 GCTATAGCTG GGCTCAGAGA GGGGAAGCCA GGGGCCAGCA GCTCAAGGCC
164001 TCTGATTCAA AGCTGGCCAG GGCCTGGATA GACAGCAGACT GGGGGCACAC
164051 GTTGGTCTAG CAAGAGAGAA AAAATGAAAAA GACATAACAG ACCTTTTTG
164101 ATCACCCCTGC ATGGAACAGA GTTAACGTGAG TCTGAGCACA ACATGTCCTGG
164151 GCAAGAGAGA GAACAGAGGG CCAGTATGGT CCCCAAAGAG GGCGGGCAG
164201 TGCCAGGCAG GGTGGCTGTA GGTAAGGAGG GTGCTGGAGC TCCCAGGACT
164251 GCCCTTCATT GGTCACTGGC CCTGGAGAAG CCAGGTGGCC CAACTGTGCT
164301 CAGTGCTTCT AACCATCATG AAATCATGAA CGGTCTGGAG GGCGAATCCT
164351 CCCATGGGA CTGTGGCAA GAAGGTGCCT ACCTATCTGT CTGTCGTTAT
164401 GTTTTATTT TTCTTTCTT CTTCTTTTC AGTTGTTAG TCATTTAAC
164451 AACATTGGTT GAGTGCCTGC TTTGAGCCAG ACACTGTAAG GACTGGAAAT
164501 ACAGCAGTCA CCAATCCAGA CGTGGCTCCT ACCCTCCATG TGCCATGGT
164551 GGTGAGCAAC TGCAAGCCAG CACAAGTGCC CAGGAGGAAA AGAAGGGGGT
164601 GTGTAGGAGC ATATAGGAGG AACCCCAAGT CCCAAAATGG AGAGATAGGA
164651 TGGGTGCCTA GGACCAAGCA ATGTCAAAC TGAAGGCACA CCACGGTCTT
164701 AAGCAAGAGA GTGAGGGGGT GTATTCTGAA CTGAGAATTG CGTAGGTGAA
164751 AGCCAGGCC AGACAGAGCC CCATATGGGG TAGTGGGTTT CCGCAGACAG
164801 TGAAGTGTGG CTGGAATATG GTGCAAGGGG CAGAGATGGG ATGGGGCCTC
164851 CTATGAGGCT GGAGGGTCCC TATGGCAGT AATTGACCCA CTAGTGAGTG
164901 AGTGAAGTCTG TGCCCTCCCT AGAATATCGG GCTGAACCCA CAGACAGGCT
164951 GGCCTGAGAG GAGCTGGATT TCTTGACTAG GAGGAGTCAG AGCACCACCA
165001 AAGCACTCCA GGTCCAGACCA CACCCAGGCT CAGATTGGAG AACATCATCT
165051 AAAAGCAGC CACGTTAGGT AAAAGCTCAG TTTTCCCTT TTTCCAGAGG
165101 GATGGGCCTG AAGGGTTAAC CATTGCCCCC GTTTTAAGA AACAGATGTC
165151 CTAGCAGAAG GGTCTGGGA CCTCCCAACA CCATGAATGA GTTGCACCAA
165201 CACTAGAGAG TGTGACAATT TCAGTCAAG CTGGATGTT TAGAACATTG
165251 GAGTTTTGC TTTCCAGAT GGGATCCTT AAAATTTGCA ATTCTCTT
165301 TAAGGCAAAT TAGAGGAATC GAGCTCCGCT TATCACTTTC TTGCACCTGG
165351 AAGAAATCTC AGATAGGAAT GATTGCTAT TTTGGACCT TGAGTGAATT
165401 TAAATTCCAC ATTTAGACTC CACCAACCAT GTTGTGTTT TAATTAGAAT
165451 GTGACACTTA CTTATGAAC ACAAGGTGTC GTGAGAAGA CATTCTCAA
165501 AGGAGGTTGA GGATGCGCAG AAATAAAGGT GGTCCATATG GAACAAGAAT
165551 GATATTCTG CAGGTGTATT TAGAGGTAAC AATTCTGAA TAAATGGAAT
165601 CTTCAGAAGT ATTCTTTAAA AATCACCAGA TTGACTTTAT TGTGCTTGC
165651 TCACATTAT TAAACTTATT AAGATATACA GGATACCTGT TGTTGCTTTG
165701 AAGAAGGTAT GGTGTGTGTA CTTGGATACG ATGAAAATGA AACAGATAGA
165751 TCAGGTATAA AGTCTAGAGA TGCTAATGGT GTTGGGTCAAG TTGTATAATG
165801 CAGGTTTGC CACTGAGTGG TTTTGTGTT GCTGACTCCA AAAGCCTGAT
165851 TGAGCCTCTA TGACTCAGGA GAAGGGAGGA CATGAAATTG AGGGGTTCTG
165901 TGACCCAGGG GGTCAACCA CAGATGCCCT CATATTTTA ATTCTCACTT
165951 CTACCAGGGC TCAAGATTAT GTACCACTGC GTGAGCATT TTAAAAAAACT
166001 AAATAAAAGA ATGACACCAC GCTATATTAT ATTGGTTTTG CTGAACATGC
166051 TTTTATTGAC TCTGGTCAAA AACGGATGAG GATTTTTTTT TTTCTTAAC
166101 CTTGATGAAT AGTAGATAAA AAGCATCAC ATCACATCTC AAGAAAAGCT
166151 GCAGAAGAGA AGGCTCAATA AAAATGGATC TGACTCCATG CAAGCATAGC
166201 TCTATTCTGC ATCTTTCTT CTAATGACTT AATGCCAGA TACCACAAC
166251 ATACAATTAG CAACAAAGAG AAGTTATTGG GAGCTGAAAG GGATGCCGT
166301 GTCATCAATT TTCAGTCCTG TTGTCCTTC GTGTAACCTA ATAGAAGGAG
166351 ACTGATAGCT AGGATCTTGT TATCCCAGTGG CACGGACATG TAGGATTAA
166401 CCACTGAGTA GTTTATCCTT AGCCAATTAG CCATTGGAAG GTGATTGCCA
166451 CCTCAGATAA TCAGTTGAGA CCTTGTGATC GAGACTCATC CTCACCTCTC
166501 CTGGAGGATG CTGTGTGGCC CTGCTCTGA CCTGCTGTG TGAGAATTAA
166551 TTGACAGCTC AAATCCACAG AATGGGATT CGCCATGTGA CAGGGGCTGT
166601 CCCTTACCGC CCAGCTTCTC ACCATTGTGG GTACAATGCC AGCAACTCAC
166651 TGGTTGATTG GCAGCATGGC CACCCATACC CATTCAGAGG CATGAAAAGA
166701 GCTCCACCAAG TGAACATCCA CTTGTCCCAG GCCCTGCCAG CCTGGACTAA
166751 AATCCATGCA AGAGAGAAGC TGGGCTTGCC AGGTAGCCAG TCACCTACTG
166801 TGTGAAGCTA CCATGTGCGG AGCAGTGTCA GCGGACCTG CTGCACTGG
166851 GCATGCCCTGT GGGAGGGAGT GGGCTCTGGT GGCAACATTG CTGGAGTGGG
166901 GAAATCTGAG TTCTCTAGTC CTGACCTTGC CACCAAGCCAT CTCTAGGGCC

166951 TCATGGAAGT GACTCAATT CCCTGGACTT TTCCGGGGTT CAGTAGCCCT
167001 GTCTATCACT TGCTTGCCTC AGGCCTCCAA GCAGGTGGCC CTCCCTTGTC
167051 CTGTGCTCCG TGCTGGTGGA TTTTCCACTT GCATCCCTCT GTCACTGTGA
167101 TGGGTGAGGG CTGGAGGCAC AGTTGCCTTA TCTGCTCTAA ACGTTTCTCG
167151 GCCACTGTAG CAGATACTGG CAGTGCCTCT ATTGTTTCCCT ACACACTGAA
167201 GGCATCTTT GCAACTCTCT GTCTCCCCTC GGGGTGCTAC CAGGATGCAG
167251 GGGCATGTCT GGTCAGTGCA CAGGGCAAGC CAGGAGTGT GGGAGTCAT
167301 GTGTCCAGGA GTAGCCTTC ACCAACAAATG ACCAAGAGTT GCTGGATAAG
167351 TACCAGCTCT GCACCCCTCA GGTGCAGGAA GGCATCCTGC CCCATCTCCC
167401 AGGTGCCCTC CTGGCAGGCT TAATCCCAGC TGCCCCACAGT GATAACCTGC
167451 TCATTAATTG GCCCCGTCTT GGCTTCTTTC TCTCCCTTCT TTCATTCCC
167501 CATCTCCCTA CCAGTGCTTC TAGGATATC ACTTCCAAT ATATTTGCAT
167551 TCAATTCCCTA CTCAGAGTCT GATTCAGAG GAACCACATC AAGACTGCC
167601 CAAGCCAGGC CCTGTGCTGT GCAGGGCCCTG ACACCGGGAG TGTTTCTTC
167651 CTTTTCTGA CTATCCTCAG GAGCAGGGCT GGGCCTGACC CAGACCCAGG
167701 AGGCCAAGTG CAGGAGGCAG TAGTCCACTG TATCTGAGCC TCTAGGACAC
167751 ATTCCCTCCTC TGTGTGGTGC TGAGGTGGGC CCAGTGGAGG TGTGGAGAAG
167801 TGGTGGGTGA GGGCTGGGG CGTGGTCTC ATGTCCTGCC TGAAACGTGT
167851 CTTCCACGCT GTGTCTGGC TAGGCCTCTT GCAGTCTCCA CTGTCTTCTC
167901 TTCCCCCTGC TTGGACATTG CCAGGCTCT CAGAGGTTGT GTTCTGCCAG
167951 TGGAAATGACT CAGGCCACTA CCCTGTGCCT CCAGGGAGGT GACCCAGCTC
168001 CATGAAAAC TATTAGCCCT CCTTGGCACA TCCATCCTGG GGAGGGCATA
168051 AGCTAAGTCC AGTACCGACT GCTTCCTCCA GGAAGTTGAA TTTAAAGTCT
168101 CAGCTCAAGC CTGACATTGC CATAAGCAGC TTGGTCGGCC AGCCAGATGT
168151 AAGGGCTCAG TGCAGCCCCA CATTAGGCTG GCTGCTGAGA GCTCCCCATG
168201 GGCCGTGGA CCAGAACGCTG ACAGATGCTG AGCCTTCCAC AAGAAAGGGC
168251 CTTGAAGTCC AAACCTTGC CAAAAACAGG CTGGGTGAGG CATCTTACGG
168301 GCACCCCTGA GCTGCCACCA GCCACCCAAA TGATGTGTCT TGTCCTGTC
168351 AAGACACCTT GTCAGGGGCC CACCTGCC GCTGAGGCC TCTCCCTCCA
168401 CAGGCCAG AATTATTCA GTGAATGGGT GTAGCCCCGG GTTCCAGAGC
168451 TCTCTCCTGT ACTACTCGCC CAGCTGGACC TGCCATTCTT CCACAGCCAG
168501 GGCTGTGCT CCAGGGTGAC TCTTCCTTTC CTTCCTCCCG ACCCCAGCAT
168551 GTCCCCCACC CCCAGGGCTC TGCTCACTAA GAACGTGGGG TCTGCAGCAT
168601 GACTGAACAG ATCCTCTATG CTTACAGCTA ACACAGATCA ACGTCTGACC
168651 CCTCCCAGGG TGTCCACGCC CTGAATAAA CAATGCCTAC TACTGAGGAA
168701 GTGAATTCCCT AATGAAGGCA TTTCTAGCAC TGATGGTGCC AGGTGTGGGG
168751 AAGAGGGTGG GGGTGGGCTA AGTACATGAA AACCCCGTAC CTGCCCCCTT
168801 CGGCAAAGCC TTCCCAGTGG TGTGGCCTGC TCTCCCATGT GCATCTGGAG
168851 CCTGCACGCT GTCAGGCACA GCCATCTTG GAGAATGACC CTCTCTTGC
168901 CCTCATAGAT ATTGGTACCA GAGCTTGCAG CACCTCTTAT TCTAAGCCCT
168951 GTTTAGACG AAGGGAGAGA TCAGCCCCAA GAGGGAAAGGG ACTCTCCAG
169001 TTACCCCCAC GAGCTGGCAC TTGAAGACCT CTGAAGCAGG AGGGATGAAG
169051 GCAAGGCCTT TTCTTAAGTT AGCTAGCAAC CTGGTCCTCC AGAGCTGTTT
169101 CTTTTAGCG GTAGAAAGGA CAGCCAGCT CCCACCTGAC ACAACAGAA
169151 TGAAAATTT AATGTGTGGT ATCAATCGCA GTCCCACCCA GAGGCCTCAA
169201 ATAGCTTTG TCCTGATTGA AGGTAGAAAT TCATGGCTCC AGGAGTAACC
169251 AAATATTGGC AAGTTGGGC CCGGTCACTGT CAAAAGGCTT CTAAAAGAA
169301 TGTTTATTT AAAGTCATA AATAATAGAT TCAAAGGTCT CATAGAGTTC
169351 TAGAACACATA AAAAGGAAGA TAGGCCTAGA CACTCTGTGTT CTATTCCCGT
169401 TGTCCACCCCT GTCCACCCCA CCCCACCTCTC AGGTGGCCCA AACTGCTTAG
169451 ATGTTAGCAA GGGCTGGGAG AAAATCCTA CAGCCCCATCA CTTCATCCCA
169501 AGCTATTAGG GAACACACTT GGCCATTCT CTGTCCTAAGT TTCTCTTAG
169551 ACAGTGTAC ATAAGTAGA ATAAGAGCAA GACAATGTGA CTTCACAGGT
169601 ACATGCTTTA TACCTACAC TGACTTCCAC CAAAGTGGGC AGGAGGAATC
169651 AAAGGCGCGT GAGGTTCCAG AAGATCTGA GCATCCCGGC TCATCCCCAGC
169701 CCTTTTTAT ATAATGCAAG TTGTTCTCA CATAACCCCA TTCTTAGCCT
169751 GCAGCCAGAT ACCTCCCTAA CTCCCTCCCA GACCTCCCC AAAGGCAGAG
169801 CTAACTAGAT CAGTTCTGCT CATCCTCAA ATCAAATTTA TATCTTGATC
169851 GTGGGTTTC CTCATTATAA TGTCATTCC ATGAGGTGTG AGCCCCATTG
169901 TCAGGGCAAT CCGGATGATG AATTGCACT TCAGCCTTCA CTGAAATTT
169951 TACTTAGTCA AACTCCCAC GTGTTCTCA CTCGTCCCC ACCTGTGATC
170001 ATGTGAATGTT AAAGGTTCTG CAGTTCCAC CAGATCCACC TCCTCCTCC
170051 ACACCCCTGTA TCTATTCTC TACATCTAA CGACATGTAC ATGTGCTCT

170101 AAATTCAGGG ACTTCATATA TTCTTTCTA TTAACAACCC CTAATATAAT
170151 TCCTACCACC AATATCATAT ATTCTCCTTC CAACCAATAC CATCTGCTGC
170201 ATGGATATAT CCTGGAAAGG GTTTGAAAT ACCCACACCA AAAAACTCTA
170251 CTAGCATTCT GGAAGAACAA ATTAAATCAA TTCATGACTT CTTGCCTGTA
170301 AGCACTGAAT GCCAGAAGAT AATGGAGCAG TATTTGGAAT GTTCAAGGA
170351 CAAAAGATTA TGATCCAAGA ATTTGCTTC TGCGTAGATG TTGTCATGT
170401 CGAAGGCAA AGAAAGGCAT TCTCAGATAT GCAAGAGTTC AGATATACAC
170451 CATCTTCCTG CTTTTCTA TTTTTAAAA GAAGTACTTC AAGTCATGCT
170501 CCACCTAATC GATAAATGAA TCAAAATATT GTATCATAAA AGAATGAGCC
170551 ATGAGATTCC AAACAAGTCA ATTAAGAAAT TAAGTATATA TAATTAGAGT
170601 AATACGTTAC AATTCACTG TAGTCACTT CAAACAAAGA AAGAAAAGTT
170651 GGCCCACAAA GCTGAAGACA ATAATAATAA TAAAAGGAAA AGGACAAAAG
170701 GAGAAAAGCTC AATAACATAA ATAATGAAAA AATGTTAAA AGAAAGTGAA
170751 GAGAACAACT TCTCAATGAC AATGCAAAGA CTCCAAACTG ACTAAAAAAA
170801 AAAACCATTT ACTGGCCAAG TGCACTGGCT CATGCCTGTA ATCCCAGCAC
170851 TTTGGGAGGC TGAGGTGAGT GGATCACCTG AGGTCAAGGAG TTCAAGACCA
170901 GCCTGGCCAA TATGGCAGAA CCCCGCTCT ACTAAAAATA CAAAAAATTA
170951 ACCGGGTGTG GTGGCGAGCA ACTGTAATCC CAGCTGCTCG GGAGGTTGAG
171001 GCAGGAGAAT CACTTGAGCC CAGTAGGCAG AGGTTGCAGT GAGCCAAGAT
171051 TGCACCATTG CACTCCAGCC TGGGCAACAG GGTGAGACTC TATCTCAAA
171101 AAAAAAAA AAAAAAAACA CCTATTACT ATATACTATA TACAGTTGC
171151 ATAAATGTT GGCTACTAAA TATTCTTCT TCAAGCTCAA ATCTTAGAGA
171201 TTAATGAGC AATCCTGTTG TCTGATTCCA TATTACCTTC TCAAGCTACC
171251 TCAACCATGC CCAAAGGTTG AAATAGTGC CAAAGTGCAGT GACTGTCACT
171301 GACGGCTCCT ACTTAGACCT CTGCTCTGAT TTCCAGGCCA ATATGTCCAA
171351 CTGCTACTT GACAAAGGCA CTTGAGTGCC TCACCGGCAA CTAAAACCTCA
171401 GAATGTCCTAA ATCTAAACTC ATGGTCTTTC CCCATCACTA ACCTTCCTGC
171451 CAGAAAAAAC AATAAACAAAC AACCCAAAAA AGCACCATTC TCCAACCAAGT
171501 GCTTCTATCT CAGTAATTGG TACCAACCTT CATCCATCTT CCTAACCCAT
171551 AGATCTTGA CCCATCTTG TCACCTCTT CTCCCTGAGC AACTCAATCC
171601 AATCCATCAT TAATATTTT GGCTCTAAAT ATTACACACA TCTCAAATCC
171651 ATTCACTTCT CTCTATCTCC AATACCACCA CTCTAATTCA AAATACAGTT
171701 TTTTCTCAAC AAGACTCTCA TAATCACATC CTAACCAGTC TCCCTGCATT
171751 CTTCTTGCT CCCCTGGAAT CTGTTTCCA CCCAAATACC AGAGTGA
171801 CTTTCAAAA CACAATTGGT GATTATGTCA ATCAGTGGTG TGCTGATA
171851 TGTTAACAA CCGGCTCTCG GTGGGAAAG TCCTAATTAA TAGCATTG
171901 CAATTCCGT AGTGTAAATA CTACTACCGT GGATGACTTC AGTTGACCA
171951 TCCAGTGTG TCATGGAACA CAGAGTCGGG AAGAGATAACG AATCATCTGC
172001 CCTTATAAAAT AGTAGTCTCC AGCATATCAT TGCTTGAAA ACTTCTGCTT
172051 AAAACTGTTT ATAACATTCT CAATGCTCT AGAATAAAAGG CTCAAATCT
172101 CAGCAGGATC CAAAGATCC TGCACTGGCT GACCCCTATTA ACCTTCTAG
172151 CCTCAACTCA CACCATGTT CTTTGTCT CCATGCCTAA CCCCCACTAAC
172201 TGACAAACACA CTCCCTCCTG CCACAGGTCA TCCTCCATCT GGAGCACTCC
172251 CACTGCCTCC CCCTTACCCA GTTGTGTTAA CAAACACATC TTTTGGAGCT
172301 GAGCCAAGT GTCCCCTCCT TAGGAAAGCC TTTCTGAGC CAATTCCACC
172351 AAACTAAATT GTCTTCCAT TGTAAACTTT TGTAGCACTT AGCTCATAAT
172401 GCCATATACC ATAAAACATA GGCCACCAATT GTAATTTCAC ATATACTTAT
172451 GAAACTATTG GCTGATGTCT GTCTTTATA CTATACTTAG AATAAATACT
172501 ATACTTAGAA TACCCCTCAGA AGAGGGTAAG CATTGTATTT TTTTGTGATT
172551 ACCACTGTAT TCTCTAGTGC CTAACACTTG GCATGTGGGA AGTATTAATA
172601 CATTCTGAT GCATGAGAGA ATGAAAAGAC ACACACTTAA AGCCAAATGG
172651 CATAAGGAGA TTAAAGGAAA AAGAGTGGGC GAAGTTCTGT TTGTCAAAA
172701 CAAAAACAGA AAGCAAGGGT AGCAATTAG AGGGGAAGTA GAATTCAAGG
172751 CAACAAACACT AAATGAGAAA AAGGGATGCC ATTATGTTGGT GATAAAATCC
172801 ATGAAGAAGA TGCTGTGGTC ATGGAGCTTT ATGTACCAAA TAACACAA
172851 TCAGTGATTA CTGTTAGGAA TAAAAGGAAA AATAGGAGCA CAATCGTAGT
172901 GTGAGAGTT AACATACCAAG TAGAACTGAA CAGAAAGGCC AGGAGCAAC
172951 CTTAGAACAT AGTGTCAACC TAACACAGCA TTTCAAAACT GTGAGAAAAA
173001 GGATCATCAG TTATTTCAA ATGGTACTGG GCCAAATGAT TAAGTATTG
173051 TTTTATAAG GTGGATGACT TCATATTGCA GTGGATGATG GTGGCTCTC
173101 TAAAGCACTT GTCCCAAAAC GCTCTTACAC GACATTAATA AACATAACAA
173151 GAAAAGGATT CTGGAGTCAA ATACATCTGC AAAACACCAT GGTAAGCAAA
173201 GTTAAGCAGA TATTTTATT GCAGGACTTT TAACCACATCTT TGGTGCTACT

173251 GTGCATGCTA CAATCCCAAG AGGAACTAT AGCACATGCT ATTCCCCAGAA
173301 TTACTTGAGT ATTTGTGAG ACTGGTGTGTT CATGTTCTGC AGAAATCACT
173351 TGGAAATGG TGGCTTAAAA AGTAAATAA AACACATAAA ATCATAAAAG
173401 ACCTCAAATA AATATGAGCA GATATTTTG TACTTTTACT AAGGTGAGTG
173451 GGGCTTCCT AAACCACATA AAAAGGAAG ATACAATTAG AGACATGGTT
173501 GATATATTTG ATGACATAAA ATCTTTAAGC TTCTGTATAT CATAAGGCAA
173551 ATGAAAAACT GGGGAAAAAT AGTTGGAGTT ATGAATGACT TTACTATAGA
173601 AAGAGCTCTT AGTAATCAAT AAAAGATG ACCATCCACA TAGAAAAGTT
173651 TGTGAAGAAC ATGAACAGAG GGCACACACA CACACAGACA TTCACATCCA
173701 TCCACCAAAT ACACATCATT ATTAATATT AGATTCTGAA CCTTCCTAAT
173751 AATCAAATA AGGCAAATTA AAACAGTTAA CAATATATT TTGGCCATGA
173801 AATCAGCAAT TTTAATGAT AAAATTCACT TTAGCAAGG ATAGAGTGAA
173851 AGGGGACTCT CAAATGTAGC CAATGAAAAT ATAAAATGCC ACCAACTCTG
173901 TGGCCAGTAA TTTGGCAGTA CTTATTTATT AAGTCTCTT TTAAACATGC
173951 TTTTGATTCA GTAATTCCAC TTCAGGCAAT TTATCACAAG GAAAAAAATC
174001 AGAGATTGCC TAAAGATTAA TGTTCAAGGG TGTTTACTGT AGCTTGT
174051 GTCAAAGCAG AAGTTTGGA AGCAGCCAA ATGTCAAGCA GTGACTGGTT
174101 AAAGGAAATA TGGTGTGCC CATATGATGA GATATTATT AGTCATTA
174151 AATTATGACT TGTGAAATA GTCACAAAAA GAATGTTAAG TTTAAAAGCA
174201 TGATATAAAA CTACTTCCAG ATTCCAAATT TATAAAGTAC ATATGTATAT
174251 TTATGTAACG GGAAAAGACT AAGGTGAAAT ATAGTAAAAT GTGGAGTT
174301 TCTCTCTGAA AAACATTCCA TTTATTTTAAACATTCCCC CACAGCTCCT
174351 CATCTAATCC ATCAAACCAA GTCTTATCAA CTCTACTTCC AAAGCGCACC
174401 TTGAGTCTCG TCTGCTTC TCATCACCAC TACTATGCC TAGTCAAAGC
174451 CACCATCATC TTTCATCTT AGAAACTTAG AAGCCTCCC TTGGTCTCCC
174501 TCCCCTCCCCT TTGCCCCGT TGCAAGACCAA TCTCCATGCA ATAGCCATAG
174551 TAATCTGTT TCAATGTAAA TCAGATTGTA TTACCTTCTG CTTAAAACCC
174601 TCCAGGGCTT TCCCATCACA CCTTGAAAAAA AAATCTTAAG CTTTCCCTT
174651 TGCCATGGCT CGGAGGCCCC TGGAATCCCA CTGCTGCCCT CCTATCTGAC
174701 CTCATCTCCT GCCACGCTCC CTTCCCGCCT TGCTTCAGCC TTTCTAGCCT
174751 CCCCTCTGG CCCAGACACC TGCACTGGCC TTGACACCAAG CTCTTCCCTC
174801 TGCTGCCGT GCTTCCCCCA GCTTTACA GAGCTGACTT CTCCTGAGGT
174851 CTCAGCTTAA ATCCACCTCC TCCAAGAGGC CTCCCTGATCA CCCAGAGTT
174901 CCACCCGTAC TTTACCTATC GAATCAATGT ATTTAATTG TCTGCACCTCA
174951 CGACCATCTG ATTTTTTTTC TTAACACTGACT CCTTTCTGTA TTGTCTAAGC
175001 TTTGCCATG AGAATATAAA TTCCATTGCA GGCTGCTATA TTCACTTAGA
175051 ACACTGCCG GCACCTAGTA GGCAATAAAAT GCTTGCCACA TGAATGAAAT
175101 AGAAATCAAAC CCAAAACAT TTCAATTGAA CTGAAAAAAGG TAAATCATGC
175151 CAAACAGCTT GACTTACTAA CAGTGCCTAA AAAAATCAAAT TACTTTGGAA
175201 AATCTCCAGG CTTGAAGGGG TGCCCTACCC TTGCGTGGGT ACCCCGTTG
175251 CAGTTAGTGG GTAATCCTTC CCCCGTCTAA CCCACCAGAC CAGAAAATGA
175301 CACTAATATG GACAGGCAGG TGGAAATGGAT TTGCACAGTG TCCCTTACTT
175351 CAAAAACAAA TAGGACTATT AAGCTTTGC AGGTCTCTGG GGAACCTTGT
175401 CAGGTTTGG TGAATTCCAA TGAGCTCTAG TTTAAACAT GCAGGATTC
175451 AGCTCTGGCT TTTAGTTAC TGAAAAAGAG AACAGCTTAG ATTCTTCTTG
175501 CCTTGCAACT CCTGAAATTCT CTTCTTCTT CTTGACAGC CTGAGGAGTC
175551 AGGGCAGAG AGAATAGAGG AGCCAGATGC CTTTAATGA GAAAGAACCC
175601 AAGAACGCTT CTGCACTCTC TTTGTAAGCC ATTCTTCTAG ACTGCTTAA
175651 AGATCTGGC CATGCCACAC ATAGCAAGGC ACAGAACAT ATGAAAATT
175701 GCCAGATTAA GTGCTTGTGG CTTGGGGTGT ACTGCAAGGA TCTCTAAAGA
175751 TGGAGATTG TTATGTTG TGAGGATAAT TTGAAATCAAG TGAAATCCAA
175801 TGCTGCTGTG TGAAAATCAG TCAGTTACCA AGTGGAGTGGG CCTCGCCAGC
175851 CACCCACCCA CCCAGCATCC TATCTTCCAT AGGTTCCAC TTGACACTGG
175901 AATATAAGAT TTGTAAGGAG CNAGATTCT GCCTATTGG TTTACCA
175951 AATCCCTGGT GCCTAGAACCA GCACATGGCAG ATAGCAGATG CCCAATAAAT
176001 AATTGTTGAA TAAGTTAAAG GAGAAGTAAT ATTTCCTCCA TTTACTGAGC
176051 ACTCACTGTG TGCTCACCT GGCTCAAGTC TCATAGCAGC TCGAACTCTT
176101 AATTCTCACA CCACCCCCAC AAGGTAGGTT TGGCAGAAGG GAGCCTGAGA
176151 AATTAGGTAC TACAAATCTC TCGTGCAGTG CATGCTATT TGAAAGTTA
176201 TTTCCTTGC AGGTTATTGT CTGATGTTCA TGGCATTGGG TAGATATTGT
176251 GGGAGAGGCA GAAATGTCA TATGAAGAGA ATTCTCTCT ATTAGCTAA
176301 GTTTAGAGAG GCATTGTGAC ATACAAAAG ACCATTGGTC CTGGACTTGT
176351 CACATCTGGA TTCCAAATTACCTCTTCA CTAACCTGTG TGAACCTCAA

176401 CAAATCACAA CCTCTCTGAG CCTCTGTTT CTAATCTATT TTTTTAAAG
176451 ATAATGAAAC CAGTCTGCC CTGCTGAAT GGAGGTATA TAGAAGTGCAA
176501 TGACAGAAC GATGTGATT ACAACTTATA CTTACACCCT CTGTCTACT
176551 GAATTGTTAT TTAACTCTCA ACTGAGGTAG GTCCATCAGT GTTTGGCTCA
176601 GTTCATGGG ATTTGTGCT ACCCTGGGT ACTTGGATT TGCAATAAAA
176651 TGAGTTCTTC TATATAAAAT GGTTCCAATG TATCTGCAC TTAATAATG
176701 CTAGTATCAC TATTGTAATT ATTAATGAAA AAAACCCCAA GGATTCAATC
176751 TGGACCCCTGA ATACAATT TACCTAGACC CAGGTGGCCA ATGCGTTTG
176801 TTTTGTGTGG TATTCAAGGTT ATTTACTGAT GTGTAACAAA TTACCCCAA
176851 ACCCTAGCAG CTTAAAACAA CTACCATTGT ATTTAGTTC ATGATTGTGT
176901 GAATAAGGAA TTAAGACAGG GCTCAGCTGG GTGATTTTC TGCTTCAGGT
176951 GGCATTGACT GGGGTTACTC AGTAGTGTCA GTAGCATTCA GCTGCTGGCT
177001 GGGCTATAAT TGAGGGCCTT ATCCAGTGT ACCCACACAT CTAGCATCTT
177051 GACAGGGTCA GCTGGAAGGC TGGGCTTAGC TATACTCCTC CACCCCTGT
177101 AGTCTCAGAG TATCTCTTC CGGTCTCTCC TGCAGGGTAG TCAGATCTCC
177151 TACATGGTGG CTCAGGGTCA TAAGAGTGTAG TGTCCAAGA CATTCACTG
177201 GAAGCTGCAA GCCTCTTAG CTTCAAGT CAAGTCTTGG CTGTTCCATT
177251 CTATTGTTCA AGCAAGTTAC TAAGGCCACA CCTAATTGAG GAGGAGAAAA
177301 ATTGACTCT ACGTCTCAGA GGAAGGAGCA TCAGAGAATG TGTTGCCATC
177351 TTTAATCTAC CACAGGTGGT AACACAGTTC TCTTGGTAGT GGCTGCCCTGG
177401 AGTGATGTGA GAGGTAAATA AGAAGGCCAC ATCTGGGTTC AGTGGGAAAG
177451 TGCCAGATGT TTACCACTGT CTGCTGGGG AATGGGGGCC TGGGGGCCCT
177501 ATATTGCAA CTTTGACTT AGAAATTCTC CCCTCATGAT GCACCCCTCT
177551 AGGTCTCTCC TATTTCTTC CTATCAACAT GTATGTGCTG TTTTTCCAT
177601 CAAAAGTCCA TTCTGGTTGC ATTTAATTAT TGTCACCAAG GAAGTTTAAT
177651 AGAACACTT ATTGTTCAACC ACCACCTTGCA AGGAATGAAG GGGAAATCT
177701 TGTTGTTATA AGGTGTCCTT TTCCTCTAAG CCTCCTCTGC GGGGCCCTTA
177751 CTGAAGACTC TGCTGACCCC CCTGTATAGT TTGCCAAGT TAGAGTTAAG
177801 CACAGCCAGC TAAGCATCTC AATATCCAGT TATGGGTGCA TTCTCAAAA
177851 AACAGTCAGT GAATATCACC AGTGTGTTGT GTCTAAGGTA CATCAGGAAT
177901 TTGAGGAAGG GAAAGAGGGA GGGAAAGAGCA AGCCAATCTG TTATTTGGAA
177951 AAGTCATATT TTACCCCTTT GTTCTGTGGA GTAAGATTTT GGTATTAATT
178001 TGGCTAAAAA GACACGGGTG GTGCCGAGGC ATGCCTGAAC AGTTTTCCCT
178051 CCACTCTCT TGCTAGTTCA TGGGTGCATC TGTCACCAAA CTTGTAAGGT
178101 CTCTGGCTTG GCTATTCTC TCCCCAGTCC TGCTGAGATG ATAGTGATGA
178151 ATTGGAGACT GTATTCAATT CCATGGCAAC AAACATCACT GTCCTAGAGC
178201 CACTCCTCAA ACCCTTGCA AATACCACTT TTTCAATTAC CCTAACCTCT
178251 GAGACATGTG GAAATCCATG CAGAACGAGC AAGACCTACC CCACAGGGCC
178301 ACTCAAATG GAGCAAGACT AGGCTTCAGG GGAGCAGCAA GCTCCAGGTA
178351 CACATGAACA GCAGGTGAAA CAAAGACAAT TAACTAAATT GGTTTTCTA
178401 CAATTGTTTC CTCTGTTGCA AAGTTGCCC CTAGTGTGAA AGTCTCACTT
178451 TCAACTTACA TTCCACACCC AAGCAGCTT CTATCTAGAG TTTGAAAATT
178501 GCTTGGACAA GAAAAAATG CACCTCACAT TTCCAAGTG CTTTGTATAT
178551 CTTATGGCTG TCCAATCTT CTCAAGTACT AATTATGAGC ATTTATTAC
178601 AGCTCACGTC TCAAATACTC ATAGTATGCA GTGTGTGTCT ATTACCAATG
178651 ATTTGCCAT TAATCAATAG AGATGCGAAA ACAAGAATAT GTGAACCTG
178701 GCACAGACCC AATTAACCTG AAATAGGAGA GAAGGGACTT TATCCTCTAA
178751 TTGAGTTACA TCTTGAGGTG GAGTGAGCTG ATGGATTCTG GGAGGTCACT
178801 GAGGGATGGT GCCCTCATGC TGAAGGTGGA TGCCCTCACGG GGAATGGATT
178851 CCTAAACTTA CCGTGCTCTG TTCTTCTTGT AGACAACCCA GGGAGTCCAG
178901 CAACCCATAG TACGGTGCAT CCAAGAGTCC AGAAACCCAT AGTACAGGGA
178951 ATCCAAATGA CCTGATAAGT CTTTAGGAGC CTGGAGATTC ACAATCAAGA
179001 GGACAGGCCT ACTTTGAGG AAGGCAGGTT CTGGAGGGAG AGTGAGCTTA
179051 AAGTCAGCCC CCATTCTGTA TATCTCTCT TGACTTGGCT GTTGTTCAG
179101 CTTATGTTGTTCTT CATCCCCTGGG GTGGGGAGT CACGAGCATA
179151 GACCTGGTAC CAGGCAGTCC TGGGGTAGAA TCCTCATTCA GCCTGTGTT
179201 CCACCAAGAA AATAGAAATA GGTTGTATTA TTCTCACCTC CTTGTGAGA
179251 TTGTTGTTGGA GATGATCATT TCCAGAGGGC ACTTTAAGCA GAACCTGGCA
179301 TGTGGTAAGA GCTCAGGCCA CATCAGTGCC ATTGCCATCG TCATCCTCAG
179351 GCTCATTGA ATTAAGATG AAGGGGGCAG CTCCCTGGCA TTGATGATT
179401 CATGGGCTGT GGGCGTCTCA CGAGCAGATT TCTGCTGATG TGAGCCAACG
179451 AGGGGCAAT CAGTTAACCC ACATCTGGGA CCCAGGTTAG GGCCCTCCGG
179501 AGAAGAGGCT TTCACAGGGT AATGCTCTAT GGAAACTTTA GTGTTGGGTT

179551 TCTCCCCCTG ATTTATGCTA TCCTTAGGAT CCCACTACTA GGGCCAGGAA
179601 GAAATAACTG AAGTTCCTGC ATGTGAATAA GAAGGCAGTC ACTTATTCT
179651 GGAAACTACA GCTGAGACTT GGGGAAGCTG CTTAGGATGA TGACATTGC
179701 ATTCACACC ATAACGGAAA TGGTGCCTCT GTGTGTCGTA GTTACTCTT
179751 AACAAATGAAG CATTGCATGC CCACATACATG CCAGCCCTGG GCTGGCATTG
179801 ACAATTAACA GAAAAACCTT TTGGAAGAGT CATGTTAAGT TTAGTGGCCA
179851 TAGAGCAAGG AGCATCCAGG ATGAGAGAGC CCTCAATATC TGGAGTCGAG
179901 GTTGCTTCTG CAGAGAGTGA GGACAGGAGC CCCTATATGC AGCACCTCTG
179951 CACCTGGGCA GTCACTTGTG CTGTGTCGAC ACTTGGTGCT CAGGGCCTCG
180001 GTCTCTGCAG CTGCTGCCAT GCTGAGAAC GACAGGGTGC CAGTTCACAC
180051 AGGTCTCATG CCCAGGATGT CCTTAGCAGA TGCCCTCACAG TGGATAGCTG
180101 GAACCCAGAA TGGACCTGAC CCTTCTGTT TTCGTGTCCT GTTGGCTCTG
180151 GACAGGGTAC CCTCCACAAAG CATGTCAACG AAGGCCCTGG GCAGCCCTA
180201 CCCATGGTCC AGTTGGAGGT GGCAGCAAGG TGAGCTTAGT AAGGCACCAAG
180251 CTTAGGGCAG CTAGGGCAAG CCAGAGAGTC AGAGATCACA GCCCAGATGG
180301 TGCAGCAGGC CCTACTTCTG CCATGATGCG TATGACAGAT TACATCATCT
180351 GTCTGGCATA CCCAGGTAAA ATAGATCAAG AGTCCTGCCA GTTCCACAC
180401 TTGGCTGCAA TCCCTTTAT ACACACACAG TTTTCATCG TGTAAGTGT
180451 TGGCAATGAT ATTATTACAG GGATAAAATT AAATCCACTT GAAATTCACTT
180501 ATCATAAAAC AACTCATTTC CAACTCAGCA CACCTGAGGT ATTGTTATT
180551 ACACATTACT TGTGACCTCC CAACTCACAC AAGTTGATAT CTGGGTATAG
180601 AGTGTGATTT TTCTCCCATT AGGGACTCCA GAAGAGTTCT TGAAATAGCT
180651 GCCTCCCCAG CTCCACCTCT CACCCCTTGT GCCTGCCCAA TGTTCCAGA
180701 AGGGCAGACT ATAGACAGCA AAGGTCCTGT GTGCACCTCC CCAGAGAAC
180751 CCAAACCCCTC ACACCTCTCT GGAGCCACAT GCCCAGATGA AACCTCTGAG
180801 AAGGAACCAA AGCCTTGTCT GTCTGATGG CAGAAGTTGC AACCTCTGAG
180851 GGCTCTCAA CATGTGATCT AAGACACACAG CTTGTAACC TAACTCAGCC
180901 ACGGTCTTAG TAAAAAAGGC ACATTCTCTAG ACCCTGCCCTC AGAACTACTG
180951 AACAGAGTC CAGGGTGTGG AGTCCAGGAA TCTGCATTTT TACCCCTATC
181001 GCCCCCGCCA TTCCCCCCCCCT TCCCCCGCC ATTGGGTGCA CTAATTGCTG
181051 GAAGCACTCA TGAGGAGAGC CGCCTGTGTT GTGTAGAACT CCCACCCCCG
181101 CAACACACAC TCACTCACCCTT TTTCACTTAC CAAACAGTTTC CTGGGCTTGG
181151 GAGGTCTGGA GAAGGCAGTA GCCCTGCAAA TTGAGAAAGG CAAGCCTCGG
181201 AAGTGGACTC TTATATCTCT ACTGCCAAAA GGGGCTACAT CCTCTCAGGC
181251 CCCTGGGTTTC ATTCTTGTG AACAGGGCTC AGCTGTGGGA GCTGATAAAA
181301 CAAGGCACCC TTCCAGTTAC TGAGCACCTT CTGGTGGCCC ACACTGTGCT
181351 GGGCATTGCA CATGAGCCGT CTCTCGCCT TGGGGAAGAT AGTAGTTGTT
181401 ATCCATGTC TATAGGTGTG GAAACTGAGG CCCAGAGAGG TTATGTGGCT
181451 GGTCCAAGGT CACACAGCTG AAGTGGAGATT GTAACCCAGG GCTGCCTGAC
181501 TCCAGAGCCT GTGTGTTCTC CAGTGGTGAC ATTGCTGGGG TAGTCTGGG
181551 GGGCAGTGTG AGCTAGTTCA TAGGATGGAA GAGTACTGTG AGGAATGTTG
181601 GGGTATTTCAGA AGGTTTGATA AACCAAAATT CCTCTGGGCC GTTGGGCATT
181651 TGAGAGACGG AACACTGAGA ACATAAGACA TGCTGAGATT TAGGTTGTTT
181701 TAGAACCTGA AATCTCAGCT TACTCCTCCC AGAACTTGTG CTGACTTTCG
181751 GAAAAAGGAA ACATTTTACG CTGGTTGGG TTCTGGATTG CAGTAGCACT
181801 GGTGTTGCT AAACAAAGA AGGGAACCTGG AGCTTCTATC AGTGCATTAT
181851 TAAAGCAGAA CTGGCTGACT GTCTCCCTGG GAAATAACGG GACTGAGGCT
181901 TGTGCCTCCA GCCAGAGATT GCTCCTCCAT AGCCCCCATT GCCACCGCTT
181951 CTACTACTTT TGCTCCACT CCCCAGCCAC CCAGTGTATCC ACCCTGCCAG
182001 AATGCACAAT GCGGGCATGG ATCATTCCCC AACCCACGGT ACAGTTCACT
182051 TTCTCTGCT GCTAATTGGC CATGAGAGCT CGGTATGAG GGATCAGAAT
182101 TGTTAGTCTC TTCTTAATGA TCTCTGTCTG GAGACCAACT TCATGACATT
182151 CTCCAATTAG GGAGTGGGA GGGGGCAGGG CAGCGCTATT CATCTGCCA
182201 GAACCCCCAT GAACTGACAT GGGCTCATTA TGCAAGGAGAC CCAAGCCACT
182251 GGTCTGGGG GTCAACAGACAG CCCAGGAGAG CCACGGAGGC AGGTCTCCCC
182301 CTCTCACCTC CCCAGACTCC CGGCTATCCT TTGCTCCCTG TGTCCTCCCT
182351 TCATGGCAAA GACTTCCCTT TGGTCAGGCT TGAAGGACAA CACTCTGTCT
182401 TCTGCTAGCA CACTCTGTGC TTTAAAAATT CCTAACTGGG AAAGATGACT
182451 TCTTTGAGA TCAAAGGCAC ACTCTCAGGG ATGTTGGGGC AATGAGGAAG
182501 GTGAAAGCTA CAGAGGAAGT CAAGACTGGT CCACCTCCAG CTCCCCATAT
182551 GTGAAAGAAG AGAAGACCAA GGCAAGAGA GAAGGGTCTT GCTCAGGGGG
182601 GGTCCCCAGC ACTTAGACAG GAAGACTAGA GCCCCCCCACG TCATTCTGC
182651 TTCCCTTCTC CTCACCCCTAA CTTCAAATGC AGGCTTTA TCCTATGTCC

182701 CTGTTCTCCC TTTGGACCCA GCCAGCTCT GGATTTCTTC CGCCACTTGG
182751 CTTATCGTGC AGTGGACAAA CCACACGGCT ACACATTGACA GCCAGAAACT
182801 GGATCATAAG CTTTGAGGGC AGGATCCATA TCTCCCTTAT TCTCTGCTGT
182851 GTCCCAGGAC CTAGCATCTC ACCCACAGTA GGAACACAGA ATTATTCAAT
182901 GAGTGAATTA ATTAATTAAAT GCTTTAACCT TAAGAGTCAA ATGTAGAGTT
182951 TCAGAGAGGA ACCCAGAAGG GCTATTCAAA GAATGAATA TCCAACAGTG
183001 GAAATTCAAGA TATTACAGAG TCTTGGGAGG TCAGTTGGGC ATTAATTCTT
183051 TCCTCACAAG AGTCTGCTAA TTACTTTCC AGGTTTTCTG CTGAACAATT
183101 TGAACTCACA TTCGACATAG CTTCCCTTT TGTCCTTTC TTAATATCTC
183151 AGCACAACTC CTGCTGTGGG GCATTGTTAA ACCTCAGGCC TGGAGGGTTT
183201 GGCGATGCGC GGTAAACAGC TTTGCCACCT GGGGATGGCA TTATCTCTGC
183251 CAGCCTCTAG CTGACTTGCT CTGGGTCTCC TGCTGGGAGA CAAGACCAGG
183301 CTGGGACAGG CCATTCAAAC AGCTTGAGAG CAGCTCTAA GACAAACCTC
183351 GGACTTAGCT AAGGTACCTT TTTTTTAGG TCACTTGAA GAAATCTAA
183401 TGTTAAAAAG ATTTACAAAC TAAAACCTT ATAATAAAAGT GTTGTCAAAA
183451 ATCTGTAACA AAATCTACAT CAAGTCCCTA TGGTGTCTGG AACATAATAA
183501 ATGTGCAATA CATGTGAGCC CGTAGATCTT TTCTATCAAT ACTCACTTGA
183551 AATAGATTAA TCCACAGTCT AATAGTTAGA CCCAGTCTGA TGCGCATAAG
183601 AAATGTTGCT ATATCTTTG TTTTGTTTT ACAGATTTTC TTTTGATTAG
183651 GTTATCTATT TGATGGGAAG GGAGGAAAGG CCTAGCATT TCTGCACCCA
183701 CTGTCACCA GGAACCATGC TAAGTGCCTT ACATTTCACT ATGGCATGTG
183751 CTTCTCTCTA TGGGCTTCAG GGAAAGGCTT ATTCTCCCAT TTTCCAGATG
183801 GGAGAATTAG ACTCAAGATC TCAAGATCGT TAGACTCCAA AGCCAGTACT
183851 CTCTCTTTA CGTGGTATT AGAAGTGGC CCAGCTATGG GAATGCTGCC
183901 TAGTGGACAC ATGGTCACTG CCAGCTCCCC TGTCCAGACC AGCCTCCCT
183951 TGGCCTGAGA TGTGCCATAG TGCCTCTCAG AGGACACCAT CACGTATTCC
184001 TGTAGTGCCTT GAGTGTCAAC AACCTGGAGA CGCGTGGGA CAGCACAACC
184051 AGGAAAGTCG TAGAGAACCC AGGTGCCCTT GGACATTCTA AAGACCATCA
184101 TCTGAGAGAC TGCTCGGAAA TGCAAAGCTC ACAAAACATG TCATTTCTG
184151 TCTCTAAGGT ATTGAATACA AATATCATCT CCTTTTATCT CCCATCTCCA
184201 AAACAGTCCC CTCGGGTTGT GTCTCTCTA AGTGCTCTGT AAACCTCCCA
184251 AATTGTCAGC CGGTCCCAGG AGATGCTTCA ATCACACTGG GTGATCATCT
184301 CATGATAACT TCCGAACTGG CCTCCTGCAC TGGTACGGG TCTGGGTGGT
184351 TACCCGCGCA GCAGAATCAC TCAGCAAACG CTTGGATGTG CACTGACTT
184401 GAACGGCTAG AAAGTTCAAGG GGCACCCACCT GCCTCGGAGC TGCTGCATGA
184451 CTCGGGTCTG AGGTGTCCCC TGAAATCTTG GGGACAGGCA CTTCTCTGC
184501 TGGCGTCAGA CAGAATGTGG TCTCCCCACA GGGAGCCAG TCCGATTCTG
184551 CAGAGCCCGG CTCGGCCCTG CTGGTCTCGC GGTGCCCTT GCCCTCGTGC
184601 ACACAGCGAC ACCTGGTGGT AAGCTGGTGA ACCGCCGGGA CCCCAGCGCT
184651 GTTCCCTCAGC TCTATGCTGG GCTCCAGCTC ACGTGCCTG TGTGCACCGA
184701 GGGACTTGTC CTGGCACGTG CACACCCAGT CTTGTGCACC ACCGAGTACT
184751 CCGTTGTGAC AAAGTTATAC TCAGTTATGT ATGTCTTCTT CCTGCTCTGT
184801 GCAGAGAGCA GTCCCGTGGC CTCAGTCATG AGTCATTGTG CTGTACTCAT
184851 TCTCAGAGGG GAAGAAAATG AGCTGTTCT AACTACGTCT ATCGTCACCA
184901 CCCCCATCGC CATCCTTACT GCCATCAACC ACCACCATCC CTGCCGTAC
184951 CACTACCATT GCCTCCACCA CCATTAGCCA TCACCACCGC CTCACCGCCA
185001 TCATCCCCAC CACCCCTCGA TGACCACAGC CACCTTTGTG CCTTTACTAC
185051 TGTCACCCCCA TGCACTCTGT CGCTCCTGTA GCAGGGGCTA ACTCCTCACA
185101 TAGCAGCAGA ATTGGGCAGC CCTGCCCGCT GAGGTTCCAG GAGGGAGGCT
185151 GAGGGCCTCT TCCACAGAGA GTGCTGTGAA AGGCTCTTGG AAGGAGGGCA
185201 GGAAGGACCC AAGAGAGCAA GGCAGAGGGGA GGATGGGCCT TCTCCAGCTC
185251 CTAGCTGGCA GACAGGACAG CACGAGGTAC CGCTCTGGATG CATTAGGAC
185301 TGAAGTTCT GCTGATGTCA ACGAATGCTG GAAATGTCCC AAGACCCAG
185351 TTCAGGACTG CGCCTCATCC AGGTGAGCAG TGAGAGCAG TCAAAAGGGG
185401 CCAGGAAACA AGCCGCCCAT TCATTCTGTC AGTCAAGAA CAAAGCCAGC
185451 GGGCAGCTC CAACCTGTTG TGACAGAAAT ACCAGGGGAT CTTTCTTTT
185501 TCTTTCATT TCCCCCAGGC AGCAACTGTA CAAATGAAAC TTCAAAACTA
185551 GAGCTGGCC GTTCAGAGCC TGCACAGCAC TGACCTGTTT CTTGTTCTATT
185601 TAGCCTCATT CTCTCAGAAG ACAGAAAGCC TCATTCTCATCA GAACAATCAC
185651 TTCAGCCAG AGGGGTTGG GTGTTGTTTC TAAGACATTA CAACTTGCAG
185701 CCATAAAGGA AAAATGAAAT AAACGTGGCA AGAGTTTGA AGTGGTCTGA
185751 ATGACCAAT TAAACACATA TTTTCAAGTC AAACACACCT TTCCCTAATGT
185801 AGAGATAGAA TTGTTAAATT TCACAAATTA CCATGCTCGA TAATTGTCTA

185851 AGAGTAATTT GTGTAGGATG ACACGTCCCC TTATTTACTC TCATTCCTA
185901 GGTGATGTCT TCTAGTCCCA TGACTTTAAA ATCTTCCATT TCTACATCTC
185951 CAGGGACACC TCCCCTCCTG ATTTCCCCA CTTAGACACG TAATAGCCAT
186001 CCCATTCTTA AAGTAGTTAG AACAAATTCT TTGATTTTT TTTTCTTC
186051 CAAACCTGGT CTTGACACGT TTTCCCCCTT TTAGTAAACG GTAAACAGCA
186101 TCCTCCTCAT TGTTCAGCTG CAAACCTACA CAGTCCTTCT TACCCCGCT
186151 CCTTCACTCA CACTACCCCTC CACTGTCTCA CCAAGCCCTC CGCTCTTCT
186201 CAGTGCCCCC CAGTCCAGGC CCGGCTCTCT TGCTCAGACC TAGGCTGCCT
186251 CCCTGTTCTC CTTTTGCCA CATTCTGTC AATCCTCCAC CCAGCAGCCA
186301 GCATGCATTT GAAAGAACAT AGATCATATC GTACCACTCT CCTGCTAAA
186351 ATCCACCAGT GGCTTGTAC TACACTTAGG ACACAGGCCAG AGCTCCCCAC
186401 CCAGCCCTGC TGCTCTGTCC CCAACTCGCC TCTAACCCCCA TCTTGCCCA
186451 CGTCCTTCTT CTCTCCTTCA TCCCAATCAT CCTTCTTGCT CTTCTTGAA
186501 AACATCAAAT TCACTCCAC CCGAGGGACT TGGCACTCGG TCTGGACTCT
186551 GATCCTCTTC AGCTTGTCC CTCACTCCAT GCTGAAAGGC TGCCCTCTCC
186601 AAGAAGCCCT CTCTGACCAC CTTATCTAAA TATCCCTTGT CCCTTCACTC
186651 CTCATCTCCT TTTTAGTTT TCTTTTCTT CATGGTACTT ATCACTTCCC
186701 GCCTGTCTCC TCCACTAAA TATAAGCTCC ATAAAGGCAG GGATTTTGT
186751 ATGTTTTGTT CACTGCTATA TCTCTAGCAC TTAGAATATG GCCTGGCACA
186801 CACTCAATAG GTATCTGAAT GAATGAATGA ATGAATGAGT GAGCATGATG
186851 CCCACCCAAA GCAGCTTGT GCCTAACCTTT GTGTCTTATG GGCTGTCATT
186901 CAAGGTGGCG GGATGGGCTC ACTTGTATC CTCTGAGAG CAGCACTTAG
186951 AGATCATTG TGAAGACAGC ACATAAGGC CGTGGAAATGG CTCCCCCTCC
187001 TGGACCAGCT TGCCAGTGT ACCCACCGTT AGGGCAATGG CCACCCCGTG
187051 GAATGCACAC CACAAGGGCA AGCGAAGAGC TCAGCGAATG GGGAAACTC
187101 TTATCCATA TGCTCAGCTG TCGGGCCTGG GATCATGCAA GGGAAAGTAT
187151 ACAGACAGCA GGCAAGGGAG TCCCCGACA GTGGCTGTAG CCAGAACTGG
187201 CCACATAATT TGTAGGACCC ACTGCGAAAG GCAAATGTAG AGCCTCAGCT
187251 AGGGGTTTCC TTTGGGCCA CTGCCCAACC CTCTACAGAC AGACAACATC
187301 CAACAGCTTG CAACCCCTGT ACCAGGATGT GTCTAAAAGG TGACTTGAAG
187351 GTGAGCAAGA GGCCCCTGT ATGCACCATG GTGCTATCAG CCTGGGCACT
187401 GACAGCCATA CCCCTGCCCC GCCCTGAGAT GCCTGGTGGT GTGGGCCAA
187451 CCATTCCTC ACCCATACCC ACACCCAGGC CCTGCCAGG GGTGGAGGGC
187501 AATGGCAGAA TGCTCCCTCC CTCAATGTGA CCAGGTCACT GTTCAAGGTT
187551 GAAGGCAGCA GCAGGGGTA GTGGGGGAGA CCACCCAGGG GATAGGGGTG
187601 AGAACGAGGC AGCAGAGAGC CATCTGGGA TGCTGAGGAG GAGGTGAGAG
187651 TCAGGGCCAC ACATGAGCCG AGGCTGCAAG CCTGGCACA TTCTCCACTG
187701 TCCCCTCACC CTTCTCGTAT AGAACACAAA TTCAAAGAGG ATCAGCAAGC
187751 ATTTCAGAC AAGAACCCCCA GCAGTAAGCC CCAAGCTCAA GGCCCTCTG
187801 AGTGTGGAC CCTGTATTAC TCTACAGCC TGCACTCGG GGCCAGCCCT
187851 GGCTGCAGCC ATGAACAGAG GGCCCACCAAG CATGGGTGTG TGACCCCTC
187901 CTGTGTTAGA AGCATCTCTG CAGTTGAGC AGCTCCAGAC CACACCAGGT
187951 CCCTGTTGTC CTCTGCTCC TGCTGCTATG GTGGCACCAT CATTGAGGT
188001 CAGGAATTT GCACAGTAGT CCCTGCCATGA GAGCCCCCTT CATCTTCAGA
188051 GCCTAGAGTG GTCTCAGAGC CCTGCCAGCC AGCCTGCACA GGTGTGAAGC
188101 CCTGGATTGC TTGTTAAGAT TTGGGAGGAA TAAAAGATT CTTAAATTTC
188151 CACTTGAGAT TATTTAATCA CAAGTGTGGT TTGAACAAAA AGTAAACCT
188201 GAATATGAAT TATTTAAAAA TTGAGGTATA ATTACATAC AATTAAATGC
188251 ATAGATTTT GTCAATGATA TTCAGCACAT GTATACACCA TCACTCAATC
188301 AAGATATAAA ACATTGCTAT CAACCTAGAA AATGATCTT CTAGTCAACC
188351 CTCCCATCA CAGAGGCAAG CACTGTCTG ATTTCTAGCA TCGTAGATTA
188401 GTTTAGCTA TTTTGAAATT TTATGTAAGT GGAACCATAC AGTAAGGAAA
188451 CTTTGTGGCT TCTTGACTC AAAACTCAGTA TAACACTGAG TTTTATCCT
188501 GTAGCTGGGA AAATCCATTG CTCGTTCTG TTATTGCTAA GTAGTATTT
188551 ATTGTATGAC TATATCACAG TTTGTTTGT GATTCTGTG AATGTACATT
188601 AGGTTCTTT CCATTTGGGA ACTACTATGA ATAAAACCTC CATAAATATT
188651 TTTGTATGTG TCCTTTGTG AGCATAGTCT TTCACTTCTC TTGGATATAT
188701 ACCTATGAGT GGCAAATAAG CACATAAAA GATGTTCAAG ATCATCAGTC
188751 ATTAGGAAAT ACAGATTGAA ATCACAGTG AATACCACTA CGCATTAGT
188801 AATATGCCAC TAAATTTAAA CAAGTTGAAA GTTAGCAGAC TGACCATAGC
188851 CAGTGTGGC AAGGATCTGG GAGAACAGA ACATTCTAA TCTGCTGACG
188901 GGAATGTAAA ATGGTACAC CACTTTGGAA GATGGTTGA CAGTTCTT
188951 AAAAGTAAA CCTTTTACTT TTACCTTATG ATCCAGCCAT TCTACTCTA

189001 CCTACTTACC CAAAAGAAAT TAAAGCATAT ATCCATAAAA ATACTTGTAC
189051 ATAGATGTTA ATAGCAGCT TATTGAAAT TGTAATATAT TAGAATCAAC
189101 CCAAATGTCC ATTAACAGTT GAATGAATAG ACAAAACTGTG GTATATCCAT
189151 ATAGTAGAAT GCTACTCAGC AATAAAAAGG AATGAACTGG CTGGGTGTGG
189201 TGGCTCACGC CTGTAGTCCT AGCATTGAG GAGGCCAAGG CAGGCAGATC
189251 ATGAGGTCAA GATATTGAGA CCATCCTGGC CAATGTGGTG AAACCCGTG
189301 TCTACTAAAA ATACAAAAAT TAGCTGGCA TGGTGGCAGG TGCCCTGTAGT
189351 GCCAGCTACT CGGGAGGCTG AGGCAGGAGA ATCACTTAAA CTGGGAGGTT
189401 GCAGTGAGCC AAGATTATGC CACTGCAC TCAGCCTGGTA ACAGAGTGAG
189451 ACTCCATCTC AAAAAATAAA AATAAAAAT AAAAAAAGGA ATGAACATT
189501 GACACATGGC AAACCTTAAT GAAGCTAAA CCTATCGATG TATTCTATAA
189551 CATGAACGAA TCTCAAAATA ATTATGCTGA GTAAAACAAG CCACACAAA
189601 CAAGAGCCTC TACTACGTGA TCCCATTAT ATAAAATTAT AGGAAATCCA
189651 AACTAATGTC TGATGACAAA AGCCAGATCA GACTTGGGTT GGAGGGACAG
189701 GGAGGGGCAA AGGGAGGGTT ACAAAAGCGGC ATGAGGAATC TTGGGTGATG
189751 TGTGTTGTG CTTGGTTGTG ATATGGTTTC ATGGGTGTAC ATATATGTG
189801 AAACCTTCA AATTGTATGC TGTATATAGG TGTAGTTAAT TGTCAATTAT
189851 ACTTCAATGA AGGTGTGTC TTAAAAGTC AATGACTGTA TAGTATAATG
189901 CTATTTCCGT CCTCTCAGTC ACTCTCTTA TTCAGTACAC ACATGGTCTT
189951 ATTTTTGTA GCTGTATAAGT AATTCAATGAG TTAAGGTAGC ATTTGTTCTC
190001 CAAGCTTGTG CTTTTCAAG ATTGTTTGC ATATTCTATA TAAAGTTAT
190051 TTCCTTATTT CTATAACCAT TTCCATATAA TTTTTAGAAT AGCTTGTG
190101 TTTTTTCAA GAAGTCTGTT GGTATTATGA ATGAAATTGT GTCAAATCTG
190151 TAGGTAATT TAGGAAAGAT CCACATCTT GATATATTGA GACTTCTAAT
190201 CCGTGAGCAT ATTGACCTGT TTCATGAATT ATGCTTTTTA CAGAATTTT
190251 CATTATCTC AATTGTCAA ATTATGGTG TAAAATTCT AATACCACT
190301 AATAATTCTC GATGCTGTAA ATAGCTATAG AAATACTCTT TCTTTCAC
190351 CTGATATCGG TAATTTATAA TATCCATCTT TTTCTTCTT GATCAGACTT
190401 GCTAAGAATT TATACATTCA TAATTTTTT AAAGAACAC ATTTAGCTT
190451 TGCTGATTTC TCTCTTAC TCGTTTCTA GTTGTAGTG GTCTTTCT
190501 TACTTTGTT GTTGTGCTT CCTTTGGTA CACTCTTCC TTTTCTT
190551 TTCTGAGGT GGAAAGTTAG TTCACTGTCT ACTGATTCT GTTGTGTT
190601 ATCATAAGTG AACCTCTT TTTTTTTTT TTTTTTTTT TTTTTTAAG
190651 ATGGAGTCTT ACTCTGTCA CCAGGCTGGA GTGCAGTGGC GCAATCTCAG
190701 CTCACTGCAA CCTCCGCCTC CGGGGTTCAA GAGATTCTTC TGCCTCAGCC
190751 ACCCTAGTAG CTGGGATTAC AGTTGTGAC CACCACGCCT GGCTAATT
190801 TGTATTTTA ATAGAGATGG GGGTTTCACC TTGTTGGCCC AGCTGGTCTC
190851 AAACCTCTGA CCTCAAGTGA TCCACCTGCC TCAGCCTCCC AAAGTGTG
190901 GATTACAGGT GTGAGGCCACC ACACCCAGCT GAAACCTCAT TCTTATTGTT
190951 CCCCTGAAAA TAATGTGTCT TTTCTTCCTC TGGCTGCTTC TTATGTT
191001 TCATTATCTT TGGTTTCAG TTGTTAGATA ATAATTGCC TTTGTGTT
191051 CCTTTGTATT TATTTGCTT GAGGATTCTC TGCTTCAGAT ATTGAGTTG
191101 CTTTCTTCAG TTTGTAAAT TTTAGCCAA TATATTTCA AATATTCTT
191151 CTGCCCTATT CATTATCTCC TCTCCTCTG AAATTCCAAT TACATGTATG
191201 TTGGTCCTAT TCTTATTGTC CCACAGTTCT CTAATGATCT GTTTAATT
191251 TTTTTTCATT CTTTTTCTC TCTGTGCTTC AGTACAGGCC TTTTTTATT
191301 TTGACCTGTC TTTGAATTCA TTGATCCCTT TTTCTGCTAT GTCCAGTCAG
191351 CTCTTAATCT TATCGAAGCC CATTAACTCT TTATTCAGA TGTTGTATAT
191401 ATCAGTTCTA CAAAGGCTT GTTCTCTCT GGAATATGAT TGACTTAGAC
191451 ATATATTCTC TCATTACTGC CCCATGGCTT TTAAAAAGAT ATGAATT
191501 GTTTATTGAG CATTGAAATG TATGAGAACACAATCTTT TCAAACCTCT
191551 GTATCTTAGT TAGAAGTAGA ATTCTGTGTA CGCAATTG GATGCCCTAT
191601 TTTTCAAGT ATGTTCAATA TTATTGGAAA ACTGCAAGTA CAGTACACAG
191651 AACCTCCCA CATCCTTAC CCAAAGACCT CATTCAAATG TTGCCAGCTG
191701 TCTTAAATAG TCCTCGATAG AAAGAAGATT CAAACCAAGAG CACTCATTG
191751 ACTTAGCTGT CATCTGCTC CAGCCTACTT CAATTCAAGA CAGTGTG
191801 GTCATCTCTT GATCTTATG TCCCTAGCAG TTTTTAAAT TACAGGCCAC
191851 TTATTCTAT TAGAGTTGT CTGATGTTTC TTCATGAACT TTTGGCAAGA
191901 ATATTACTGA AATTATGCCG AGCTCTCTC CCCACATCCC ATCAAGTAGG
191951 AATTATGTC AACCTGGTAC ACCACTGGTA ATGTTAATT TGATCACTG
192001 AGTAAATGAA TATCTGCCAG CTTCTCCAC TATAAACTTG TCCCTGTT
192051 CTTAAAATT AATAAAAGTCT ATAAAAGTAA TAAATGTTT CGGATGAGAT
192101 ACTTGAGAC TATGAAATA TCCTGTTGTT TCTCTTCAC CCGCTAAT

192151 TAACATGTCT CAATTCTGTA ATCAGAATTA ACTAGTACTG TGATTGCCAA
192201 ATGAAAATGT TCAGTCCAT CATTCTTCT ACATTTACAA GTTAAAATTT
192251 ACTGTAAAGA AGAGTTCTC TTGTCCTCAT TTATTTGTC ACTTTTAAA
192301 AATCAGTTCC ACCAAATTAA CAGAAAGCTA TTACCCATTA CGACCTTACG
192351 ATTTCATGC TTAAATGTC CCAGACTTGG CCAGTAGGAG CTTCTTCAGA
192401 CTGCCTTTA TGTCCTTT GATGCATCTC ATGATTCTT AAGTGATTCC
192451 TTACTTCTG GTACAAGATG TTCTAGGCTA TTCTTATTT TTCCCTGCC
192501 CTTCCCTGGA ACAAAACATT TTTCAAAAGA GCCTTGGTTC TTCTTAGTGG
192551 TGAGCTATTT TGAGAAGCAA AGATGTGAGC GTTAAACGTG CTCCTTGCTA
192601 TTGGGGTTTT GCTGCTTGC GATTCTCTC GAAAGCGGGG TAAGGACCTA
192651 TGTATAACATA GACACATACA CATGTATCTT GAGCTATAAA CTGTGAGTTC
192701 ACTTCAATAC CTCCAATGCC AGTCCAACCA CAGAGTTCAT TCTAGTGTTC
192751 CCTCTTTCA TATTGTAAAT TCTCTCTTC CATGAAAAAC CTAGTTCCA
192801 CTGTCTCAA TATATTATA TACTGTTAGA TTCTCCTGCA TATAAGATAA
192851 CCTCCTGCC CTGCCACGCT GCCGCACCAC TCAGCCACCT TCCTGCACCT
192901 AATCCCACCT TGCCACCACC TGCCCTCAGCT GCTACCGGGAG ACCGACAAAG
192951 CCACCCCTCCC ACTTGTGATG TCCCTTCTC CGTGGTGGCT TTGACCCCCA
193001 CTTGGCCACC ACCATGCTCT GCCACCTCCT CTTACTATG ACTTTTGAA
193051 GATAAAACAT AGTTAGAATC TCCTCTCCTT GGAATTAAAA AAAGGTGAAA
193101 GTCATTCTTA TGTTGTTAGA GTTGAATCT AAGTATATTA ACAAGAATCA
193151 AAAATAATTT AGTTTTGGTT AATGTGACCT GTCAGAAGA ATATTTGAT
193201 TTTTAAGATT GTCTAATTTT GCCACCATAA GTAAGACTGA GCCAGTACTT
193251 AGAATGACTT TTGTCGAAGC TTAGGTGGA AATACATCAA CGACAGTGG
193301 GGGTAAAGCC TTCACTTTCG GATGCTACCA TCTCAGGAGA GCCGGACAGT
193351 CAAACAGGCT TGTCCTGACC AACATAGATG AGAGATCAGA TGACATTATA
193401 GGTGAGGACCC CACACTGTGG TGGGCTGCG TAAAGCAAGG CATTGCCTGC
193451 TCAGAAGATA CTTCAAACCTC AACTCAGTCT TTGATTCTCT TCTATCAGAA
193501 GTGGCTAAA AGGAACACTG CACTGACCTT GTATTTGAG CCAGCCACAT
193551 CTACATATCG AAGAAAGAAA GTACTGATGC TAAGGGCTTC TAAGTTGGGT
193601 TTGGAGGTGG AGAGAGGTG CATAGTTAT TGTTAACAAA TGTTCCATT
193651 TTTTCCTCC ATTGTATCCC ATTAATAGGC TTCTCTTTAT TGTTAAATT
193701 CCTGGTGGCA GGAGAGTTTA AACTTGCTTT TAACATGCG GTGGGCTCAG
193751 GAAAATGAAA ATAGGCTGTC TGGCAATAAC CCAGGCTCCT AGGGTTCTTC
193801 TGCAATAGGA ATTGTCTTG TCTCTCTCC AAAGGGCTAA ATGGTGCCGT
193851 GTTGGAAAATA ATACCCCGGT ATTACCTCG AAGTGTTCCT TTAATTGTTG
193901 GATTCTGTT TTAAAAGTC TAATCTGACT TTGCTCTG GCAACATAGC
193951 AGATAAAATAT TTTTAAAT CCTTTAAAC ACTGATGTGC TTGGTAAGAA
194001 AATAAGGACT ACCTAGAGGC TAAAATACA AGTGAATCA GGAATCCAGA
194051 GAGGTAAAGAT AGCTGTGAGA CTGACTTTAC CTTGAGGGCT TTTGCCAAC
194101 TAGGTGAACG TTGGTTTTGG TTACATACCC CTCCGTGGCT CAGGATACCA
194151 AGGACAAATC CCAGGGTCCCT TCCGAGGTAG GCATATGTGG AAGGTTCCA
194201 CTCCCAGTCC CCTATATATA TACACCTGGG CCCCTCAAGT GCTATATCTG
194251 CAGTGAAGG GTGAACAAAGA AAGAAAGAAA TCCACCCAGT CCCAAGGACT
194301 GGCAAGAAAA TGTCCTGCG TCAAATCTTG GCAGTGAGTA GACAGAGAGA
194351 AATTCCTTG AAAATTATA ACCATAGACT GATGCCAGA AGGAATTGTA
194401 GCTCATATGC AAACATACCTG AGTAACCTGA AAAATCTCAA ACATAAAATT
194451 TAGTTAACCC CAGAATGGTG GAGTCCTTGG GTGCCGGCA CAATCAAGAA
194501 GAGCCTATAT CCAAACCTATA TCTCAAAAAA TTTCACAGA TTATATTCCA
194551 GAAAATGTGA GCTCTTTAA AAAGAAATCA AAACACCAAA AGGAGAATGC
194601 CATGTAAGAA CCAACAAAT CTGTGAATAA CAAATGATA CCGAATATAA
194651 AATATGTATA TTAAATATT TTTAAAAATT AAAATATGA TTGAAAATCA
194701 AGAGATTATA CAAATGGCCA ATCATCTTTA TGAATGGCTA AAAAGAAACTT
194751 CTGAAAATTC AAAATTCAAAC ACTCAGTGGAGAGTGTAAAC AGTAGGTTAG
194801 AAATAGCTGA AGAGTTAATT TAAGAGCTGG AAGACGGATT TGAAAAATTAA
194851 TACAGAATGC AACATAGAAA AACCAAAGAT GGGAAATGCG AAAGAGATAA
194901 GAGATACTTA ATAGAATGA AAATTGTTAG CATATTCTA ATTAGAATAC
194951 CTGGAAAAGA GGGAGAAAAA TAATGGAATA GAGATACCAT TTAATGGAAG
195001 ATAGGTAAGG ATGTTCAAGA ACTGATGAAA GATAGAAATC CTCACCTTCA
195051 GGAAACCTGA TGAAATTATAA GCAGAATAAA TGCAAAAGAAA TATGTGTGTT
195101 TGCATCACAG AGAAATTGCA GAAAACCGA GAAGATGTTA AAATTATCCA
195151 GACATCAAAA ATGGATTACC TATAAGGGAA TGAAAAGGCT ATCAGGTAAC
195201 ATCTCAACAA AGCCAGAGGG CAGGGGAACA AAAGGTTTAT CAAGTTGAAA
195251 GAAAAAAAT ACACGAACAT AAGAGTAATT ACACAGCATA AAAACTCTT

195301 TAAAATTAGG ATAAAATAGA CATTAGAC AAACATAAAG AGAATTGAG
195351 GTATAAGAAG GAATTATGAG GAATAAAGAC AGACTCACAA TATACAGTAT
195401 TGTCATATAG TTACGTAGG AAAGGTTCTA AGGTGTTCTA AGGTTCTCA
195451 TGGGGAGGGT TAAAGTGTG ATTATAGACT TTGGCTTAAT TATACATTT
195501 AAAATTGAG ATAAACAGTA GAAGAATAAA AGAGATATT AATTTTATA
195551 TGAGCAGAAG AAGAAAATCA GGGTGAAGTA TTTGATTCAA AATAAGAAC
195601 CAAAAGAGAG AAAGAGGACC ACAGAAAAAG GCAAATAAAC AATCTAATAT
195651 AAACTAAATA AATAACATGT TTATGTGGGG GTACTATAAG GACAATGAAT
195701 GAATCACCAC TATATGCAGA CATGGGTGTA ACTAAATATC GTGGGAGAGC
195751 AAAAGAAGAA AGTCTCTGAT GAGTACATAG AGTGTGATTTC ATTTATATAA
195801 AGTCAAAAA CATGGAAAAC AACATACTGC ATAGAAATAC AAAGGTGAGA
195851 TAAACCAAA GAATGATAAA CACAAAATTG AGGCTAATGA CGGTCTCTG
195901 GTGCGAATGA GGGATAGAA CTGGAGAGGG ACACATGGGA AAATTCAAAA
195951 TGAAAGACAC CGTTTTTTT CTTTAAATGA ATGGATTATC CCGTTGTTG
196001 TACGATAATG CTTAAGCCAT CCATAGAGTG GATAAGTGT CTTTCTGTC
196051 TACTCATTAT TTAATAGAAA TAATTAAAC ATTATAGTT ATTCAAATTT
196101 GATTTTTGT GTGGTGTGAA ATAGGTTCC AATGTTGTT CATTCTAGGT
196151 GGATAGCAGG TTGCCAGC ATCATCTATC AGAGAGCTAT CATTTCCTA
196201 TTGGAGTGGT AACTCTTATT ATACATCTAA TTTTCACTATA CATTGGCATT
196251 TATTCTGGG TCCTGTTTC TATTATTG CCAAATCTGC AGTCACTGAT
196301 TTGCCTTTCTC TAGGTTGAT CTCATATTGA TTTTATCACA GCAGCTTCT
196351 GGGTGAATG TTCTAGTATC TGGGAAGGCA CATCCCCCTA CAGTATTCTT
196401 TCTCTTATT TCCCTGGTTA TCTGGGGCA CTATTACTT CAAATGAAC
196451 TTTAAGATC ATTCATCTA AGTCTAAAAT GATTGCATTA AATTGTTGTA
196501 TTTATGAGAA TGTCTCCAT CCCACGAATA AGAAATGTT CAATCTTATT
196551 TTATGACCTT CAATAGGGTT TTACAGCCAT TTTTATATAA GGTCTATGG
196601 CTTCTTGTC AAATTTGTT ACTAATATT TATGGTTTT ACCATGATTA
196651 TGAGTAGGTG GTTTTCCGT TTTCACCTC TAATTATTA TTGCTACTGT
196701 TGAGAGGAAT GATTAATTG GGCATATTAA TCATCTGTCC AACTAGTTTC
196751 ATAATTCTCT TATAATTAA ATATTTTC ACTGGAGTCT CTTGGATTTC
196801 TAAGTATACA GATACATAAT CATCAAAAG AGATCGTTGT TAGCTGTCTT
196851 TCTTTCCAA ATGTTAATGA TTATTCATT GTCTTGTCTT ATTATACTTC
196901 CTTTATGAAT AAGAATGATG ATAACAAATA TCCCTGTCTG GCTCCTGATT
196951 TTAATTGGAA ACAGTTAGTG ATTGGCTATT TAAGGAGTTT TCTTCTATT
197001 CTTTGTCTT AGAGTTTAA ATGAAATTAT TACTGTATT TAAGACTTTC
197051 TTTATTTCTA TTTCACTCT AGGTTTGAG ATATGTCTTC TTCTTGACCT
197101 TGGAAGACTG GAGTCTTAAT AGTGACCATT GTCTCCTTAA ATTGCCCTGA
197151 TATTCTTAAC CTTGGAAGAC TTGACATCTC AATAGTGACC ATTATCTCCT
197201 TAAATTCTTT CCGAAATTTC TCCTGATTT CTTGTTGGCT CAAAATCAT
197251 AGTTCCCCCA AAAGCCTCT TTGTGCTGTG CTTGATTCTC GTGGCATT
197301 GGTATTTGT TGTCACTATT TAAGGTTGCA CTCCCTCTGC GCAGTAGCTG
197351 TAATTCTAGT CATTTCCTCA GAGGCTGGAG CTCCCAGTGT ATATGGTTCT
197401 TTTCCATAGC CTGTTGAAAG GCAACACTGA AGTACCTTAA GGCAGTGGTG
197451 GTCTCACAGA GAGTACCTGA TAGGGCAATT GCTGACCCCTG TGAGCTTCTC
197501 ATAGAAGTAG ACAGGTTGTC AGGCCCCAGT GGAGACCCCT GGTCTCCACA
197551 TGCTCTCTG TACTCAGGGG TAGAGCAGAC CAGCCCACCC ATGCATTCTAG
197601 GAAAGCCAGC TTCCCAGAAC CCTCAGGCC ACCTGTCAGA GGCCTCAGCC
197651 ACTGCTTGGC TCGGTTGAGC CAGGGGATTG AAGTTGAGAA TAGATGAAAT
197701 CAGATTGTCC GATATTGTTA CTAAGCTTTG TCTGATATT ATCCAGTGCA
197751 TGTTTTATG GCTGATAATC CCGTTGAGAG ACAAGGGCAG ATCCTTGAGA
197801 GGAGAAATTG AAATGCTCCT GATTAGAAAA TGGTAGTTT CTGTGCTAAT
197851 ATTAGATATT TTAACGTGAGC CATTTCCTTC TTAAAAGTA GAATGAAGGA
197901 GAAAAGCTG TTGTTATTGT GAGACACATC TATGACAAGT GATCCAACCA
197951 AGGCAAGGTG CGGACCGGGG CGGCCCTGTG ATGGCAGGTA AAGGGCCCTG
198001 GAAGAATTAA GCTCCCCATC TGTGCTGGCA AGTCTCAAAG GATAAAAGTGA
198051 CAAGGAGCAT CAGCGCGCT CACAGAGTAA CTCCACAGTG ATTCTTGAAA
198101 TAATTGGAGG CAGCCTGGGG TGTACGGGCC TTGAATCATT AGTTGGTGG
198151 AAAGCAGGAA GGAACCCACG TAGTGGCGCA TCAGCGAGAC GGTGCAGACC
198201 GTGGAGAGCA GCAACATCTG GTCCCTTGG CTCCAAGACG GAGGGACCC
198251 AGAGGAGCTG GGGAAAGTGA CAAAGGAGCT AAGTACCTGA AGGAAAAATG
198301 AGGGCCGGTG ACAGGGAATA AGACAGATGC GAGCTGAAGA GGCTTTAGGC
198351 AAAGAAAAGG AACTCGGGGG TAGGAATATA TTTGGAGGA GTGTCTAAAA
198401 CAAAGCCGTT TTGTAAGA AACTCTCCA AGGGCAGAAA TCGTATTGTA

198451 CTTGACATTT TTATGCAGCT TTTCTTCCC AGAAGGTCTC CAAAATAACC
198501 CTTCAAAAGC CGGTTGAGAT AACTTGATAG GACAATAGA GGGAAAAGAA
198551 AAAGGTTTGT GCAGTTTAT TGTAGCCAAA AGACATCCAA GTTAAAACAC
198601 AGGCTCTGAT GTACATCTC AATTACAGA TGTGGGATAA TTTTTCCAT
198651 CTCAGGGATC TCTATACAGC CCTCTCACGT ACCCACGAGG AACTGAGGG
198701 TTGCATGTGA AAGAGACACA CCTTGAGAT CCCAGGTCGC TATTCTCCA
198751 CCGAGGGCTT TCTACAGTCT CCACTTTTC CACTCAATCT GTGACCATGT
198801 CTGTTCTGT AAAACCATG ATGGATTACT CAGCTCTTA TCCAGCCAGT
198851 CTTGGGTCTC TGCAAGCATCT TCATCAGATT CAGTCCTCCA CCCAGCCAA
198901 TCTGTGCCAG GCCTGGTGCT GAGCTCTGAA TGAAGTGGAG CCTGGTCCA
198951 ACCCTGAAAC CACAGACACT GCCTGATGCC CAGCCTGGAG TTCTGAGCAG
199001 CTGTGAAGGC GCTGCTGGGG CCCTGCCCTCG GGGCCTGCTG TTCCGTCTAA
199051 GGAACCACAG GAGCGGGGGT CCTCAGGCCA GCAGGTTGGC AGCCTCCCTT
199101 AGGTGGAGGA GATCTGGGAG GGCTGGGGGG AAAGCTCTGG AAATGGTGAG
199151 TCAGGTAGCT TCACTATTGT CACAGACAGC AGATGGGGAG ATGACACACA
199201 GTGCAAAGGG CTCCCAGAACAG GAGGAGAAC CATAGGACCT GTCTGTAGCA
199251 GGTGAGCCTG AGAGGTTTGC AAGATAACGCT GGCATTGGC CCAGGTCAAG
199301 GGATGCCCTT GAAACTGTCA CCAGGGTTCC TCTGGCAGGC CAGCGCCCT
199351 GGTGACTACC TGACACTGCC CTTAGGTGTT GAGTAGAGCC TGCAGTTGT
199401 GCTGTGAGTT AGTTCCAGTC ACTTTGCCCT AAGAATGTAT AATTTCAGAC
199451 TCCCCTACCT TGGAAAGCCAG GCGGAGTTTA TAAGGGTCCA GTGAAGCCCT
199501 GGCGCAAGGG AAATTGCAAG GGAAGCATT CTTTGGGTA TTTTGAAGCA
199551 TGCTATTTG CATCTGCCCT TTTAAAAAAC ATTCATAACT TTCACTATAA
199601 ATATGTTCAC CTTTCCATTAGGCTGGCCT CCCGAAGACA GCAACTACCC
199651 CACATGTTCA TGCACCTGAA TCAGTAAAAC CAAATGGCTA CTACTTTCC
199701 AGTCTTATTTC ATTCAACCTT TCACCAATTTC AGTGTCCGAA TTGAGCACTT
199751 ACTAAGTGCC TAGCTCTCTA CATGAATTAT CTCATGTAAT CCTCAAAGCA
199801 ATCCTGTAAG GGGCAATCCC GTAAGGACCA TTGTTATCGT CACTTTAAA
199851 TAGGGAAAAG AAGGTGGAAC CTTGCCGGG CTCACACAAAC TATCAGCTGT
199901 GAAGGAGCAC AGGACTGGGT GGAGGCCAAG GTTTTACTGT GTTACTGTGT
199951 TACTTGAGAC CCAGCGGGAT CAACACAAGT ACCGTAGGAA GTTCTGTG
200001 AGCACTCCCC CTACCCCACC CCGCCCCCGC TCCACCCCCCG CCTCAGTGAA
200051 GAGGAGCTGC ATCCTCAGCT CGGTCACTC CCCCACAGCA GCGTGGCCTC
200101 TGGCTCCAGC CCCTTCTCCC TCTGCTCCAC CAGGGGACTT TCCCAGGAGA
200151 AAGTCTCTC TGTCTCAGTA AGTCTCAGTT AAGTGGCTTG GAGCCTCACG
200201 TTCCCTGCCCT TCTGGGGTCT TTTTGTGAGG CTGGGGGCTC TGAAGGAAGA
200251 TGCCCCAGGC AGAAGAACAGA GATGAGAGTC CTTGGCAGCT CCCTCAGGTG
200301 ACGTGGTTA CTGCAGGGAT TTGGGTGGTA TTGAGAAAAT TATCCAAAAC
200351 TTGGGAATAA GGGAAAAGA GGGTGGCAAG TCCTCCCTCT GGGACCTTGT
200401 TTACTAGATC TGCCCAAGGA TTACTTACTG ATCCAGGCTA GAGGGTTACG
200451 TCTTGTTCAC ACTCACAATT TGCGCCTGAT TAAAGGCCA GACTGTGCAG
200501 TGACATGTTA ACTTGCACAT TTGTTCCAG TAAAATGCA CATGGTTCTT
200551 TTTGGTGGAA AAGAGAACCC GAAAGTTGT GTTTTCTTA CCCTGCAGAT
200601 CACTCACCTA CTGTGTGCCCT AGCCTAGGCA TCTCATCCCA ACCTTCTTC
200651 TCCAGTGCCCT ATGTGGCTCC TCAAGTCTC CTCTGAATCA GCGTCTGCAC
200701 TGTGGGCTCT CTCATTAAGA AAGCAAACAC AGCTTTAACAA TATGCTCACT
200751 TTAGATTATC GTGACAGTC CATTAAAG TTTTGAAAAA GTATGTTTG
200801 GCACTGTGT TTGGTGTGTTG ATCTTCAGCT GTGACAGGAA ATAACCACCT
200851 CCAAAAGCCG TGCCCAAGGA CATTAGACAA TATGTAGAAA CCTATCTGT
200901 CTTTGGTTTC ATACAAATTG GTTACATAGA AACCTTTTG GCAGAATTGA
200951 CAGGCCCTCCT GACAGATGAA AGGTGTCCCT TCTCTCTCT TGTTCAGGC
201001 ATTTCTGACT TTGAAGTCAT TTTGTCAAGAC CTCAGGTTAG GATCTGAAA
201051 CATTATGCAAT GGCAGGTTGC ATTACCTTCC AGCAATGGAT AACCATGTGT
201101 TTCTGTTGAG CTTGGGATT GGAGAATGTG GTCAAGTCTT TCAGAACTGG
201151 TCAAAACTGCT TTCATCAAGT GCACAAAGCAC CTCAGCATAAC AGGCTGTGCT
201201 CACCGGGTGA GTTGAATAC ACCTGTGGTC ACTGAGAATA CATCACATCT
201251 GCCCAGCAGT CACCTGTCCA GTTCAAGGCA AAATAGCAGG AGAGGAGACA
201301 GGGAGGTGAT GAAGATGGAA ACATCATAGT GGGAGGTAAG GGGCTTAATG
201351 GCCAGGGTGTGTC CATGCATGAC TAGGAGTGGG TTTGGGCCCTG TGATGTTCAC
201401 AGATCCAAGC AGGGCTTCCT TCTGCAGCCC TGAAACCTC CAGCCTTTAG
201451 AGAAGTTGCT ACTTAGGCCCT CTAAGCTATG TGTCCTGAG GTGGGTGAGG
201501 AGCAGGCCATC CTGCAGGCCA GGGTTGCTGA TGTGTGGATG TATCCTGATG
201551 TTGGAGAACG TCACACTATG GACATCTAGA TCCCTCCAGGC ATGAGTTCTT

201601 TGAAC TTGAA GCAGAGACCA TATCAC CAGG TGAGCAGATT ATCCCAGTT
201651 CAAGGGATT GGAGT GAGAC TGATTCAAAG CTAGGCTCTA CCACCTACTT
201701 GCTGTCTAAC CATAGGCAAG TCACTTGACT CATGTTTCCT AATCTGTAAA
201751 ATGGGCATAT ATTCA TGCA CAAATATGTG CTGAGTAGGG CCTCTGTGTC
201801 TACTTAATAG AGCTTTAAGG AGGATAAAAT GAGCATCAGA TGAGCTCATA
201851 GATTCTAAGA GTTTAGCATG GTGCCCTGGTG GGCCTGCCTC AGTAAATAAT
201901 AGTCAC TTTA CACATGGCCT TCTCTGGCTG GGTGTTAACAA CACACATGTC
201951 CTTGGGAGGA ATTACAGATT CTCATCCAA CCCTTGAAATA TAAATGAGGC
202001 GTTACAGGGT GGAGGTGGAC CTGACGCAGC CCCGGCATCC AGGGCATCTA
202051 GGAGTGTGGA GGCCCTCACC AAGGTAGCCT GTAGTCAGAG CTCAGAGAGG
202101 GCTGCTCTCT TCCCACCAGC AGCCCTGAGG GGTGCCGAGA GTTTCTGGC
202151 CTCTAAGAGG ATAGACCTCT TTCAGCTGGG AGGGCTGAGT GGTGGGATGG
202201 CAGGGCCTCA CCCCACTTCC CAGGTGGGAC AGTTGGGCAG GGTGAAACTT
202251 TGCATCTGCC TCACAGCTCC CTGCAGACTG AGTCTGCCCT GTGATGTTA
202301 CCTTGGAGCA GGGCTTTAGG AGCCAGGCCT CTTCTTATAC CAGGCCCTCCT
202351 CTCCCTGCAT GCCAGGTTC CAGGGCACCC AGGGCTGCTCC ACTCTCTCCT
202401 TCCCCCAGGT CTCTGCCATC TTCACCGTCA GGTCTCAGGT CTAATCTCAC
202451 CTCCTCAAAG AGGCTTCCCT GACCAGAGTA AAGTGTGCC GCTGCAGCAC
202501 CCTGGTTATT TCCTTCCTCG CATTAAACAC CATCTACACT TGTCTGTTT
202551 TTTTGTGTC CAGTTCACCC TCTTGTGTGT CTCCTACAC TGTATGTTA
202601 GTGCCCTGAG GATAGGAGCC TATTCTGTCT GAATCCTCAG CACCTGGAAT
202651 CGGGACTGGC ACATAGCAGG TGCTCAGTAA ATATTGTTG GGTGGATAGA
202701 TAGGGGAGGA GCTGGCAGGC AGGAAC TGCG GAAGTGCCTC GTTGTACCA
202751 CCCACCCCAT CTTAGGGTAG ACATGGCAGC GGAAC TGAGGCTC
202801 TGCCTGGTTC TCACACAAAC CTGAATTCTG CAGCTGCATA CCAGGCACCT
202851 GGGTGGTTC TGCAATGAGA GAGTCGACAC TGACAGGCAC TCTCTGTC
202901 TGGACCACCT TGCCACGTGT GAGGGTATAA GTTATCTTAA AGCGGGGAAG
202951 AATACTGGGA CCGTTATGTC CAATCCCTGG ATGCGCACCC CACATATCTG
203001 CACATGGCTA CATGTACATG GCTCTCCGC AGGCAAAGCC TCGCTCTGG
203051 TCATTGAGAA ACCCAACCAT GACCCAGGC GAGGGCTGCC GCTCCCCCTGT
203101 GTGTGGTGT GTCAGTACCT GGAAGATAAA GTATATAAGG CCATGTGAA
203151 GGGCTGTATC TGCCCATGGG CAGGCACCTG GCTGGACAAG TACCTCTGTC
203201 TGCAGAAGGT GGAGACAGCT GCTGTACTGG GCCAGGGTTC GTGGCAGGTG
203251 GCAGATGAGG TTCTTGAGGT TCTTGATGCT GCACACACTG CCTCTGGTCT
203301 TCTGCATTCA CGCCTGCTC TTTTCAGCCA GTTTTGGGCT TTCCAGTGAC
203351 TGCCCTCTCA GAGCCAAGCC ATCACCTCAT TGAGGCCTCA TAGTGAGTTG
203401 GGGTGAGGTT GTGGAATTCA GTGCTAGGTC GTGTGCTGGG GGCAC TGACA
203451 GCCTCAGGA GCAGGCCTAG GCAGAACATC TGCTGAGAT GGGAGCAGGG
203501 AGCTCCCAAG GCCTGGTCAG GAGAGACAGG GCTGTCACTA ATAGTCAGC
203551 TGGAGATGAG GTCTGAGACA CAGAAAAGCT GTGTTGGGAA GAACGTGCCA
203601 GCAGGCCGCT GGCATCCAAG AGTGGAAAGAG CTCGTGGGTT TTCCCTCACT
203651 GCCACTTGGG GCACTGTCCC TGAGAAGGGA GCACTCGTTA GTTTTCTTG
203701 GGCCAGGAA GCGGTTACAG AGGCTGAGTC AGTATTTGGA AGCAAAATTA
203751 CCCAACTGTC TGTGCTCTTG GTTGTGGCTG GCTGTGGGAG AACAAACGGAG
203801 GGGCTTCCTG CTCCATGTGG ATGTAGACTC ACTCTCTCTG GGGCCCATCT
203851 CAGGACTCAG CCTCCTTTTA TGCCCTCCAC CGGGGTCAGA CGGGCTTGCC
203901 TTCCACAAACC GCTCAATTAC ACCACCTGTA CCTATCTATG CTCCCAGTTC
203951 ATGGCAGTCC TGGGTCTGTG ACATTCTTAT TGAAAATCCT TATTCA GATC
204001 ACAGAGGGAG TCTTCAGCAC CAACTGGTAC CAATAGACTC ATTTCTCTG
204051 CGGCCATAAT GTTAATGTAA CTGTTCCCAT TTCTGACCAT GTTCAGTAAA
204101 TTAAATTGTG GTTGGAAAGC AGCTTATTG GCAAGATGAT CAGTTTTAA
204151 CCTGAGTAAA TGGCTTTCTT GATGACTATA AATAAGCCC ATTGTACTTT
204201 TCATGCATTG TGGGTGCTC CATAAAATACT ATAGGCAGTT GCTGGTAGTC
204251 TCACTGGTT ACCTTTCCCA TTACTGTTT ATCATCATTG TGTTAGGAGT
204301 GGGGAATTCA TTCTGTTTA ATGACAAAGGA GGAAGTGGTA ACAAGGGGCT
204351 TGTTTAAATGA GGAGGCCACC CCTGGGTCAAG CATCTGTGTA GCTGTGGATC
204401 AGATTCTGGG CCTTACCCCGG CCCGGGGTAT CCTCAGCCCT CTGTGGGGCC
204451 ATTGTGAAGG GCATATGCAG GGCCTTCATG CTACTTTGT CTTAATTGCA
204501 AGTAATCAGG AATCAAATAT TTGCCGACAG CCAATTCCA TGTCAGGGAG
204551 AACCTGAGTG TTCTTGACAA CTTCAGCAC CACAGGTGG CACCAGTGT
204601 TCCTTAACAC TGACCCCTCA GAGTGCAGCC TGCAAGGGAAAG GCCATGGGAG
204651 CCTCCCCAGC AAGTTAAGCA AACGTAGGTG CCTGCTGCCCT GTGTGACGC
204701 TGGGCCTCAG AGGTGCTCAC TACCATCTGG ACACACAGCT TTCAAAGGAG

204751 GGGGTCAGGG AAAGTAGCTT CTCCCCCAG CCCCCCATGA ACTGGCTTG
204801 GTTGCCTGC CTGGGATGGA GTAGGTGGTC TCTGAAGCCC CTTCCAACTC
204851 TGCTTCTCCA GGATTCTAGT TCTCTTACT CCAGAAGACC CACCTCCACG
204901 GACGTCCATC TTCCCCTCAT ACCTCCATCC TTCCACTTCC TTCCCTGCCA
204951 CTTGGAGAA GGCAAGGGAA AATGTACCCC TACCGGGTCA ACACATGTGA
205001 GGCTTCACCA CCCTCCCCAT CCGAGCCCC AGCCTGGCTT CTTAACGTCA
205051 CTGAATTAGC CTTCAGGAGA TCAGTTCTGA AAATTTCTGC ATTTCTAAA
205101 ACCTGAGTAT ACTGGGGCCA CACGAGGAGC AAGGCCTAGC ACCTGTGGGA
205151 CCTCCTGAGG CCAGAGCAGG GCAGGCCACTT TGGGGTAGGA GGATTCAAGAG
205201 AGGGACACTT GGACTTGGC TGGTAGCAAG CACTTCATAG AGAAAATGCC
205251 TACAACAGTG ACTTGGAGCT GGTTTAGCCA GAGGGAGAAA GCAATGGGG
205301 CCAGGGCACA CGCTCTGAAG CAGGCTCGGA GAGGCCAGGG CACAGAGACT
205351 TTGCCTCTTG TTTCTTCAAA ATGGGCAATT AGTGGGTTGC ATCCTATCTG
205401 CATGGGAAGG TTATTAAAAC AGTGATCCCA TGGCAATGCT CTGCGTCTG
205451 GCCCTGTCTT GGGAGAGAAA CAAAGGCTGA TATTTTCAGA GCTGTTAGTT
205501 TCTTCTAGTA GGCGCCAGCA CTTTCTAGGG TAACCCATTT TCCAACAACC
205551 CAGGAGAAC CACGCTAACCA AATATGCTCC ATGGCAAAGC GGCCATAAAC
205601 ACCGTGAGTG GGGGGCCTCC AGCCCAGAGC CTCCTGCCA GGCGCCTGCC
205651 TGCCCTCCGC CTCCCTCCCT CCCCGCCACC ATCAACCTTG ACAGGAAGGC
205701 GTGCAGAGGG GCCGCTGAAT GCCACTGGGC CTCATGGTG ACATGCGAAC
205751 ATTAGCAAA GTGGATAAAA GAGATCCCG CCTCCTTAGG ATCTGCACCT
205801 TTATTAAGTCT CAGAGATATT TGACCTCTA GTTTATTATG ATTCAAGAAA
205851 AAGTCAAATAC TTCTTAGTTT GCCAAGGCTG GAGGAATTAA AATGAATTAT
205901 TGAATCAAGC AGTTAACATG CCGATAACTG ATTTTTTTT CTTTCAAATC
205951 TGTAATGATG AAAAGCAGAC TTAACCAAAA ACAAGAAAAA TATATTTTT
206001 TCTTTTTTT TTCTTCTTT TTGCTTAGAC ATTTTAATCC CATGGTAGG
206051 AGCCGGGGCT AAAAGTTGG TCATGATTAC TAGGGCCATT CTGCTTGCT
206101 GAGTATTTG ATGGAGATTAA ATTAACACT TAAAGCAAAG TCTTCTGAGG
206151 CTGAAAAAT CTGTATTAC CTTTCAGTT TCTTTGGTG TCCCTGTGA
206201 ATTCTCAACT TTCCATCTGT ACCTTTAGTG ACATGTGCTG ATTATCTCAT
206251 TTCCAGACTC CCAGAATGCA GTGTGATGTT GGTGATGGAC GCCTGTTCG
206301 CCTTCACTT AACACGTGCC TTTCCAGCTG CECTGACCTC TTTGGTGTG
206351 GAGCTCTGGG TGCTGCTGCC TGAGATCACT GTGGGTGTT TAGGGTGAG
206401 GGGACACTCA AGCAATGTGG CAGCGCCCGT TTCCAGGGGC TCAGCCTCT
206451 TGCCATAAC TGCAACATTG TGCTAGAAAG GACTGGGCTG TGGGAAAGG
206501 CTGCTGGTGT CTCCCCGTGAT GACGTGTC ATGGAGAAC ACATTCTCCC
206551 CCAAGGAAAT GGCCAGCCTC TGGTCTCCCT ACCTCGGCTA CCCCCACCCC
206601 CATCCTGAAC ACTTGGAGCA TGACTTTCTT CTATGCCAC GTTTCCTCCC
206651 TGCAAGTACT CCCCAGTGCC TACAGTAGTG TACCTAAATT TCTCTGCTTG
206701 GCTCTCCAAG TCTCCCAGAA ATCACACCTT GACCCCCAAC CCCACCACTG
206751 TACAAAATCTC CTACTCACAT CTAGTCTTCT ACCTGAGACC TGCAAATGCC
206801 ACCCACAGGG CGGCTGGGG AGTCTGGCT CAAGCCTGCT GTGTTCTGG
206851 GAAAACCTT CTCTCCTTG CAGGGCCAC TGGCACATCA CCCGCTCCAT
206901 GATCTCCGCC ACTCCCAGTT ACTTCTTCCA AACTTAGCTC CCTGGCTCCC
206951 ATGCTCTTG CCTGATCTGC ATACATGTCA CCACCTTACA GAATGACAAA
207001 GTCAGAAAGA GGGAAAGGTA TGACTTGTTC ATCTTGAGA CCCCTAAAGGT
207051 GCCTAAAGACA CAGCCTGGTC CAAAGTCATG ACATAGTAAA GGAAAAGAAG
207101 GAAGGAAGGA AAACGTATTG CAGGCAGGGG GTGGAGGGGA CCACTTTTT
207151 AAAAAGTCAT TGATTTAAAT AGGCCTCTAG TCCAGGAGGC TGACTGTGAG
207201 CCTGGGAGCA GTAGTGGCAG GCTTGTCTT TCTGTGAAG GTGTTCTTT
207251 GTGAGCACGG AATAGCTGG TGTTTCATT TTCAACTGG AAGCAGGAAA
207301 AGTAAGCTA AGAAAGAAC CAGAGTTGAT CAAAAGCCC CAGCTGGTC
207351 CTAGGTTGGA AAGGTGTTGT GTTTCAGATG TTCAAGGTGA GTCAGCCATG
207401 AAACCTGAGC TCTGCAAGGC AGGACACCCCT TCTGGCACC AATGACCAAC
207451 TCATGGAGGG ACAGGGACTC CCTAGGAGAC CCCAAGCCCC CAGGCCAAC
207501 CTTGAGTAGC TTGGCTGCAC AGGCAAATGG AGTCTGTGCT TGTGAGCTAC
207551 AAAGGAAGCC CTCGACCCCCA GACCCCTCTGA GTGTTACAG CTGACCCCT
207601 GTGTTGTGT GTCTGGCAGG GCTTCCAGC CACAACGAGC TGCTGGCCTC
207651 CTGCGGAAAG AAGTTCTGCA GCCGAGGGAG CCGGTGCGTG CTCAGCAGGA
207701 AGACAGGGGA GCCCGAATGC CAGTGCCTGG AGGCATGAG GCCCAGCTAC
207751 GTGCTGTGT GCGGCTCTGA TGGGAGGGTT TATGAAAACC ACTGTAAGCT
207801 CCACCGTGT GCTTGCCTCC TGGGAAAGAG GATCACCGTC ATCCACAGCA
207851 AGGACTGTGTT CCTCAAAGGT AGGAACAGGG CCCTGCCCT GTGGTTCTGG

207901 GTTTTGTGAT GGGCTTCCA ATGCCCTTTT GACAAGTGAC CTGGGTGCTG
207951 AGTCTACAAG TTACATATGT TTAGGAAATA AAGACAAAGA CTGGTGTGTA
208001 ACAAAATAGC AGCATGGCA TTTTGGTGTAT GCATACTCTG TGTCCCACCT
208051 CCAGAGACCC CTGGCCTTAG AGGAAGCTCC TTGGGGAGTA GAATCCAGGC
208101 AGGTCAAATT AAAACCTGGC TGGTACAGGT TCACTAGGGA CCAGGCAACA
208151 GGGCACTACC CAGGTCTCCA CATAGGACGG GCCTTGCAA GGTTGTGACA
208201 AGGACCATGT TTACCCCTGC GCACAGAGTC CCATGAATCA GGAGGCTGTG
208251 CTGTGCATAG AATGTGGTCA GGCAGACACC AGCGCAATGT CTTCCAGCGT
208301 GACAAGGACA CAAACTCTGG CCTGGGGCAG TTGTTGATGG GAAGGCATCC
208351 CATGTCTTGC CTGTCCAGAA CACCTCTGAG CAAGACAAGG AAGCCCCCTGC
208401 ATGGACATCA GAACATGCT GTGGAGCTGG GGCCAAGGAT TCATGCTTAA
208451 GGCTGAGATT GAGTCAGAAA AGAAGGGAAG TACCAAGCTCC CACTAGACGG
208501 TAAGAACCAT TAGGGCAGCG GCTATGGCTG TCTTATGCGC TTATGTATTA
208551 GCACCTAGCA CTGTGCCCTG CACCAAGAAA ATGCTCAATG GCTCCCAGAT
208601 GCTTGAAGAT ACAAGGGTCA GAATGCACAT CCTGGGTTGA TTGATGTGGC
208651 CCTGGTAAAT AGTACATGCC ATGGCCTGTG GAAGTATTAA TTGTATAACAA
208701 ATATTGTGT AAAAAATGGG TATACATGAA TTAGGAAGTG TGTAGAAGAC
208751 AGAACAGCT TGCAAGCAGA TGGGAACAGG CCCACATAGC CTGAGCTACG
208801 AGAGCCCCT TGAGGTTATG TGAGGTCAGG AATGTGCTTT AGGTTGCACA
208851 GGGAGGAGAG GAGGAGGCTT GGACTAGACA CCTGCCAAGT GCCTGCAACA
208901 CTAGAACACA AAGGCCTGAG AGCAGTCCAG GCTGTAAAGG CCTGGGCACC
208951 AAGTGGGAAG GGGCAGAGCT CCTGCCTCAC CCTCACAGAA CCCCACGTGAG
209001 GATGGTATGA TGCTGACACA CCTGAGCGGA GGCGGATTCA TGGCTGAGGT
209051 GGTGGAGCAA AGGTGTGTG GCCTCCGTTA CATCTATCTG TGTCACCTGC
209101 ACCCACCTAA TGGGCCACTC CACTCAGCAG TCGTGGCAGC ATGGAGTGCT
209151 AGGCAGGGCA GGGCTTGGGA AATGTGCCTT TACCCGGTGA TGACAATAGT
209201 CTTGGACACT TTCACAGCTG TGCTTATGAT GCTAATGCCA AGGTGCTTCA
209251 GAGATCATGA GACACATTAT GGAAATGAGG CCAAAATGAG CCTAGGAAAA
209301 ACGTCCCCAT TCTGGAAGCA CTGCCAGGCC ACGTGCCGCC AGTTCCCTG
209351 CAACCGTGCA CACTAAAACA CTTGACCAGT TGCTCCAGCT TTATTGGCCG
209401 TGTTGAATT TATAGACTGA TGTTCCATTG TCTGGTTTCC AATATCCTTC
209451 AAATTGCATC TTCCCTAAAGG TTTCTATTTC TGCATCAGAG TGTGCACAGC
209501 CTCCCTCACC ATTGGTTATT CAAACAAACAT TTCTCATTAA ATGGGAGGGA
209551 AAAACAGCC ACCACAAAAAC CCACCCGAGGT GAGGAGTGAT GGGGACAAGC
209601 TGGCGTGGAG CGGGGGCGAG GCAGCCTGA GCAGATCAGG GCTCAGTTCT
209651 GCTTCATGCT GATTGAATTT ATCCACCGAA TCCTTCTGAC TCATTGAGGT
209701 TTTCACACAT TGTGAGTTG CGCCCACTTG GTATAGCAGT GCTCCTCTCT
209751 TAAGGACCCC TTTTGGTGG AGAGTGGTGC CTGTGAGCTC CCAGAAAGAC
209801 CAAGGGTGGC ATCTCAGTTC TGGTACTTCC CAGCTGTGTG GTGTTGGTTG
209851 CATCACTCTG CTTCTCTGGG CCTTTTCCTC GACTGTAAAA TGGGACTAAT
209901 GGCAGTACCC ACCTGCTGCA GCCATGGAGA GAAGTGAAGG AGGGGCTGCA
209951 CAAGCACCAAC TTAGCACGCT GCCTGGTGA TGGCATGGAT TTGGTGTCA
210001 TGAGACCTGC CATCATTATT TATTCTAATC CAGCGTGGCC ACAGGCCAG
210051 AGTAGAGAGA TGCACAAACT GTGAAGAACG CAGAGGCAGG AGCAAGGGTT
210101 CTGCTGGGA GGTTGGGGA GAGATTCTG GGGCCAGATT ATTTAATGGT
210151 AGCTGGAGAG TGGTAAGGA AGACATGAGT GTCAAGGCAGA CACTCATTGC
210201 TGGGCCTCT CCCAGCAATG TCCACCTAGA GCCAGGGCTT CTCTTCTGC
210251 AGATGGCCTC TTGGGTCTGG ACTCCAGTGG AAAGCCTTCA GAGCCTCAC
210301 CTCAGGGTCA GCTGTAGTCC TGGTGGAGG GCAGAAGAGC TGGGCTGCC
210351 CTCCCTCGATC ATTCCCATAG GGAGTGCCA GCAAACAGGA AAGACCTGGG
210401 CACTGATTCA CAGGAGCCTG ACGGATGGAA GGCAAGGCCAG CCCTGAGGTG
210451 AGTGCCTTGG GGTGAGCAGC TCACCTTCAC CAGAACCATG GCTCCAGGGG
210501 GGAGTAGAAC GAAATAGATG ACAGAGGCTC TGTCGGGAAC CTCTGTGGG
210551 ACAGAGGGTC CTGGAACAAA GGAGGATATA AAGAACAAAGT TCCTACAGTC
210601 CCCACCCAC AATGGCAGCA GAATATTAA TAACAGCTTG AGGTCCACGA
210651 ATGACAGTTT GTCATTGTC CCAATTTCAGG AAGGAGTTAT TAATACAGGA
210701 AACAAAAAAA TACCTTGTGTT TTGATGCAAG CAAAATTCT AAAATCATCC
210751 ATCTTCTCATT CTCTTATCT ATCAGACTT ACAAGAAGAA GTTGTGACTT
210801 CATTCTCTGG GACTTTATCT GTCCCCAGAA ATCAATATTA GGACAAGTCC
210851 TTGTGCAGCT GGAGTGTGTG GAGCAAGAGG AGAGAAGTGA TGGGTTGTGC
210901 TGGGCTAACGC TGCTACAGTT CAGAGCTCCC GTCTGTGGCC AGAGGCCCTG
210951 ATTTCCGTGTC AGGGAGGGGG TTCTCTGAG GACTGGTGGG GGGACACATA
211001 GCCTCACCA CCCTGCAAGG GAGAACAGGC AGCATTCTAA ACCCATTAC

211051 AAGAAAACCTT CTGGTATCAC ATTCCAGTTG CTATGGCAAT GGGATTCCCTT
211101 GTGAATATAA AATGAAATAT ATCATTTAGG GATCATTAGC ATGTACGGGA
211151 AATCAACCAG ACTCAAAAGG ATTGCTGCAG CTAGAGTTTA CAGCTTGAT
211201 CCCAGATCTC CTGAGTCACA AGCAGGGTCT CACTGAAAGT CTGGGACAAA
211251 AGGAGGTGTG GGAAAGATGT ATCTCTTCTT GTAGCAAAT TAGACTACA
211301 TTTTCCTCA GCACCAAATC CTACCAAGAG AATGCCAAGA TATTGGGTGG
211351 ATTCACTGT TTAACCTCTT ATAGAGTTG TGTTTCAAA GTTATCTTGT
211401 GACATCGCAT TCCTATTGTG GTATTAGTTG GCACTTTAA ACTCATTTC
211451 CTTGGTTTG AATTACACGCT TTATCTCCTA CGCTGTTCAC GAAGATGAGC
211501 TTCCCTTCAGA GCAATCACTC ACCAACCGAG CGTTGTATTA TACCAGATGA
211551 TACATGTCA TAGTTGGCA GTTTCCAAA CAAACCATGA AATTATGGAA
211601 GAAAGGGGAC TGTTAGAGGT TCTGTTTAA GGGGCCCTT CAGCTCCTC
211651 AGCCTGCGGG CGGTTGCAGG TGGATTGGG TGCTTCAGAG GGGAGTCCC
211701 AACCTAATGA AAGACAGGAA ATCATTCCA TTTTGGAAA CAAATTAAC
211751 ATACTACAGG CTCACTAAGA AATCTTTTT TCTTACTTGT TACTAAGCAG
211801 ACATAAAAAC TCAGTATTGTG GTTGCAAGTT AGCAGAGCAA ATAGAGCTC
211851 CTGCCAAAGA GCCATTTTT TCTTCTTCTT CTTGTTATTT TGTTGCTGTT
211901 GTTGTACTC TGAGTCTTGT TACTTAGGA ATTTAAATTG GGCCCCACAC
211951 CTCCAGGGGCA ATTTCTATAC TTCCACAAGT ATTCTCTGTC CTGCCAGGG
212001 AAGCTTCTTA CATCCCCAGC TTTGTCAGCC CAGTCCAGCT CTCAGGGG
212051 GACTCACTTC CTGGGATGTG TGAGATCCAG CTGCAGGGCT GTGATGCTG
212101 CAGGCATTGA TAGGGGATT AGTGTAACTC TGCTGGAGCA GTCCCTATAG
212151 CAAGAGGTGC TGGGGCCTGT GGAAGCATCA GGGAGGCCA GGCTGATGGG
212201 ACAATGTGGC ACGTGCTCAA GGGCACTGCT TTGGCACGTG AGCTTTCTGT
212251 GCCTCATTTA CTTCATCTGT AAAATGGGA TAATAACAGC ACTTACCTCA
212301 TAGAGTGTG TGAGTATGAC AGGAGCAGCA CCTGGCATGC AGTGAGCATT
212351 CTTCTCTACG CAGTGTCAAC AGCACTAGGG ATGATGCTGG TGCCGTTGTA
212401 ACATCACGGC TTATTCAAGG AGCAGATGCA ACAAGCTGTA AGACCCCTGC
212451 CCATTATGT GACAACCTGT TAATGAGCTA AGAGGTCAGG GGTGGTGGG
212501 CCTCTGTGA ATGAGGGGAG AGAAGAACAT TGCCCTCCA TATTATTTA
212551 ATGAATGACT AGAATTGAC CTCCAGTTGA TCAAAGTTAA TGATCACCTT
212601 CTCTGTCTTG CTAAGAGATG TAAGGAGCCA CCCAAGTTCA TCTAGCAGGT
212651 TAGTAGAAAA GCAAGGGGAG AATCAGGTAT CTCTGATCCC CAGTCTGGAC
212701 AAACCTCTTA GAATGTACCT CGGGCTCTC AGGAAATGCC AGTGGAGCCT
212751 GGGTAAGAA TTCATCTGCC TGAAGATGAG AACGTTTAA GAAGGTGCTG
212801 GAGGAGAGGG GACCTTCAAG GTGGATTGG AAGAGCAAGG GAAGGTTG
212851 TAGTTGAGA GTGTGGGAA GGCTTCTAG GAGTACAGGC ATGAAGTACC
212901 TCCAGTCTCC GGGAAAGACA AGTATTATG GGATCCTGGG TGTAGGGAG
212951 AGCATAGTTG GGGATAAAGG CAGACAAGTG GATCACAGCA AGCTGGGAA
213001 AGGCCCTGTG TGCCAAGCAG GGAAGTCTGA ACTCAAGCTG ACCAGTGTG
213051 TGTCCAGAAT TGGTGGGTT TGGTCTCTC TGACTTCGAG AATGAAGCCG
213101 CGGACCCGCG CGGTGAGTGT TACAAGTTCT TAAAGATGGC GTGTCCGGAG
213151 TTTGTCCTT CTGATGTTG GACGTGTTCA GAGTTCTTC CTTCTGGTGG
213201 GTTCGTGGTC TCGCTGGCTT CAGGAGTGA GCTGCGGACC TTGCGGGTGA
213251 GTGTTACAGC TCTTAAGGCG GCGCGTCTGG AGTTGTTCAT TCCTCCCGCT
213301 GGGTCGTTG TCTCGCAGGC CTCAGAAGTG AAGCTGCAGA CCTAAGGCAG
213351 TGCGGACCCA AAGAGTGAGC AGCAGCAATA TTTATTGCAA AGAGCGAAAG
213401 AACAAAGCTT CCACGGGGTG GAAGGGGAC CAGGTTGCCA CTGCTGGCTG
213451 GGGCAGCCTG CTTTATTCC TTTATCTGC CCCACCCACG TCCTGCTGAT
213501 TGGTCCATT TACAGAGAGC TGATTGGTCT GTTTTACAGA GCGCTGATTG
213551 GTCCATTGGT ACAGGGTGT GATTGGTGT TTTACAATCC CTGAGCTAGA
213601 CAGAAAAGTT CTCCAAGTCC CCACTAGATT AGCTAGACAC AGAGCACTGA
213651 TTGGTGCATT TACAAACTTT GAGCTAGACA CAGGGTGTG ATTGGTGTAT
213701 TTACAAACCT TGAGCTAGAT ACAGAGTGT GATTGGTGT TCTACAATCC
213751 CTTAGCTAGA CATAAAAGTT CTCCAAGTCC CTACTAGACT CAGGAGCCCA
213801 GCTGGCTTCA CCTAGTGGAT CCCTCACCGG GCTGCAGGTG GAGCTGCTG
213851 CCAGTCCCCG GCAAGTGCACC CGCACTCCTC AGCCCTTGGG CGGTCAATGG
213901 GACCTGGTGC CACAGAGCAG GTGGCGGCC TCGTTGGGGA GGCTCGGGCC
213951 ACGCAGGAGC CCACAGTGGT GGGGAGGCTC AGGCATGGCG GGCTGCAGGT
214001 CCTAAGCCCTT GGGCTGCGGG GAGGCACTG AGGCCCCGGCG AGAATTGAG
214051 AACAGCCCCG TGGGCGGCCA CTGCTGGGG ACCTGGCGCA CCCTCCGAG
214101 CTGCTGGCCC GGGTGCTAAG CCCCTCGCTG TCTGGGGCCA GTGGTGCCAG
214151 CTGGCCGCTG TGAGTGCAGG GCCCACCAAG CCCATGCCA CCTGGAACTC

214201 AGGCTGGCCC ACGAGCGTCA CACCGAGCCC CAGTTCCCGC CGGTGCCCTCT
214251 CCCTCCACAC CTCCCCGCAA GCAGAGGGAG CTGGCTCCAG CCTCGGCCAG
214301 CCCAGAGAGG GGTTCCCACA GTGCAGCGGC GGGCTGAAGG GCTCCTCAAG
214351 CATGGCCAGA GTGGGCGCCA AGGCTGAGGA GGCGCCAAGA GTGAGCAAGG
214401 GCTACCAGCA TGCTGTCACC TCTCAGTGT AGATAAAGCTA CTGCAACATT
214451 CTCATTTCCC AAAGAGGGAC CGTGAAGGCC AGAGAGGGCT AGTACCTGTC
214501 CCAAGTCACA CAGGCAGAGC CAAGCCAGGG CCCAGCCTTT GCTGCTGTGG
214551 CAGGCCCTTC AAAGGCACCC ATAGCTTGT GGCTGTTTT AGTAGGGCT
214601 CAGCAAGGCA TGTCCTAAC AGATGCAATT GCTTATGCT TCTTCCCCAG
214651 GAGACCTCCT GGTGCAGAAG GAAGGCTAG GAGCCATGGG CAGTGGAAAG
214701 GGCCTCGTGT GCCACTGCTG GGCGGGCTT CCCTGCTCCG CAGGTCAATTA
214751 AGAACCCAGC TGCACCTTCT CCAGGGAAAG CTGGCTCAAT CATCCCAAC
214801 TCACAGAGCT TCTGGACATC AGGAAACAG ACCCTTGCT CCTTTCTAAC
214851 GAAAAGAGTAG GAAACTGAGG GATACCCAGA AGGTTACCAG GGGAACCTGG
214901 GGTCAAAAGC AGGCAGAGCC TCTGGGACA AGCCTACCTT CAGCCTGGTC
214951 TGGCCTTGGA AGCTGGCCTC CACTTCTCT CCAGACTCCC TTTCCTGTCC
215001 CTCCAGTTGC CCTTCCACTT CTGGGCTAC CCACATTCT GTCCAGTAGC
215051 CGCTGTTGTT CTTTCAGTCT TTGCAAAGGG ATCTCTCTGT CCCCAGCCCT
215101 CTTCTGGCC TTCACTTTAA GCTCCACAGA AGAGGGTTG GCTGTTTCT
215151 GCCAAGCCAC TCACCTTCAC AGACATCTGC TGAATGCCCA CTTGGTGCTA
215201 AGGCTGTGCC AGGACCTGAG GATACCAAGTA TGATCAGAAC ACCGGGCTG
215251 ACCTCAAGGA ATTATAGCC AAAAGAAACG CCACACATCT CCACCCCTCG
215301 GGTTATCCTT TGGGAGCTGC TTAGGCCAGA GATGCCTCCA AGACCTCAAG
215351 GACAAACGGG AATCTTACA GACTGTCTCT CATGTTGGAT ACCCTCTCCT
215401 CACTCCTCCG CGGATTCTGT CAGCATCTGT GAAAACAAC AGGACTTCAC
215451 TGAACGTGACA GTTCACTCAT AGCCCCGTAG TCCAGCATCC CTGGGAGCTC
215501 AGTTGTCCTA TTTACAGTAT CTGCTTCCAG GATCAAGAAA AGTGACCTAA
215551 AACAAATATG TGTGTTCTT GGATATTCTC TCCAGGTTT ATGCAAGGAA
215601 CTGCTTGGT GTGAGCACCC CGCAAATGTG CAAGAATATT ATCAGTTGG
215651 CATGTTGGT GTGCTTCCACA GAACTGCTGT ACTTGAATG AATTAATTAC
215701 ATTCCAGTAA TAATTAATTG CTAAGAAGTT ACTGAGCTGA GTAAGTCTCG
215751 TGGTGCATTG ATTTCACTTA TGAAACAAAG CTACAGCCTC CGAGTCCCC
215801 ACATGTTTC CTGCTTTTG CTGGCATCTT GTCCCTTCTT CTCCAACCCC
215851 TCCTTGCTG TGCACTCCTC AGTCCCGTT GTGCTGGCG GCCTAGTCTC
215901 TCTCATCTA AAGCCCAGAG GAGCAAGCTG TTGCTCCAGC ATCCTCTTAG
215951 GTAGCCTTTC ATCTCTTCCC TGTCAAGGCG CAGAGCATT TCTGCACTGG
216001 CTGCTCTCAC TTCTGCAACT TCCCTGAATT CTGCCCTCTA GGGTCTGCAC
216051 CTAGCTCTG TCCTGTTACC CCTGCCACTG ACTTGCTAA GATCACCTA
216101 CCCTCTAAA TGCCAAGAAG GCACTTCCA GCCCTGGTCT TGCTGCATGC
216151 ATCCCTCCTG CAGTGAGCTC TGTCACTCTC TCTGCAACCC TGTTCCACTG
216201 TCTCTAGGG ACCAGCCCCC ATCCCTCTGA CTCTCCGTAG ACCCCTCCTT
216251 CTCTGCAGC TGCTTCCAGG TCTTCCCCT GGGGCTCTCT TCTCACAGTT
216301 CCAGCCATGC CTCAAAGACC CAGACTGTCC CACGAGAAA GACCCAACCA
216351 TATCTTCATC CCTGACCTCT CCTCACGTTT CAGTCTACCT CTCATTCCAC
216401 CTGGGATGGT CCATCCCACC ATCATCTCCT GGCTGGATGA CCTCTATGGC
216451 CTCCTAGCTA TTCTCTGAGC CCCGGGTCAAG ATGCTTCTTC AAATCCACTT
216501 TCCATATGGC ATTATAGAGTA AGCTTCCAA GATGGAACCT TGACCATGGT
216551 GCTGCTCTGC TCGAACCTCT CTGTCAGTGT GTTCAGCAAT ATTCACTGTAC
216601 TATGCGTCAG ATACTATTG GAGATGTGGG GACACAGCAG GGAACAAAAC
216651 AGAGCCCAGT CCCCCATGGCA GGTACAGTCT TGTGGGAGAA ACAAACAGTA
216701 AACAAAGAGAT GAAGTCTATG TGATGGTGC AAGTGCCTAG GAGCAGAATA
216751 AAGCCAGGAG GGCAGTTAGC CAGAGCCTCT GATATGAGAA GTGACATTTG
216801 GGCAAAAGGTC TGCAGCAGGC CGGGGGGTTA GGGAGTGAGG CATTGAAATA
216851 TCTGGGGAA GAGTATCCCA GGCAGTGGCA ATACAAAGTT TGCAAAGATC
216901 CTAAGGTAGG AGCTTGCTA CGCTGTTGG GGGCTCACAA GGGGGCCAGA
216951 GTTGTGGAC CAGGGTAAAGT AAGCAGAGAG AAACCTGAGCA AGTCGGAGGG
217001 CTGATGGGGT TGATCTCCCC ATAGGGCTCT GTGGGCCATT GGAAGCCCA
217051 GTTCTTGCC ACTTGGCTAT ATTGCCCTTC TCATTACTCC GTGAGGCCA
217101 CCCAAAGTG GCCTTGATGA GGGGAGGGAG TGACATGGAG CCTCCCTCCCC
217151 AGGCTTCTCC GCAGGAGGCT GTTGAGGAA GGCCCTGTGT GGACAGGAGG
217201 GGTGCCGGTG GCTCAGGTGC TCAGATCCAT GTGAGTGGAC CCTATGCCA
217251 ACACCTGAGA GGTTTCAGAT GATCACCCAGG AGCCAGATGT TTAATTACTG
217301 GAGCAAGAAG AAGTTGATTG GGGACTCCTT TAAGGTTCTC CCCTATCGTG

217351 CCTTCATTA AGATCAAGGC CCCCGTAG CAGCCGCTAA ATGACACCCT
217401 GTATTGAATC TCTGTGCTCA AGCAGTTGT CTAATTATCT GTGTGATAGA
217451 CTCAGCAGCT GTCAGACCAG CCACAACCTCA AATACGTGGT CTCTGTACGC
217501 CTGCCTCAA GTGTTTATG CCCACTAGCA AGCTCAAGGA CAGGACTTAC
217551 ATGCTTTTCTAGATGTGG GATCCCTTC AGGTTCTCT GCTGCCCTAGT
217601 GATATAAGGC ATTGAAGGGG CCAGTGGCTG GGAGGACAGT GGGTACAAGA
217651 ATTGAGCAGA GGCCTGGGG CTCGGCTGTT CCCTCCCTCG CCCCAGCCCT
217701 TGTGCTCGC ATGATCACTC AGCCTCTCTG CCTGCTTTTC TGGACAGGGA
217751 AGCAGTGACC CAGTTGGC CATCTCTCC AAAGAGAGGG AGGAGCACTT
217801 GCCACTGTGT CAAGTTAACT GAAATAATG AGGGGGATCA GGAGGCAGTG
217851 ACCCAGGGGA GAGTAAATGA CTGCTCATCT CCATCAGCAG AGAGTGTCTT
217901 CAGGAGTAAA CACTTCCCAG CAGAGCAGGC TCATTGGATG AAGGAGGAAC
217951 AAGACCACAC CAAACAACCTG AATGTAAGGT CTGTGGAGTT GAGTCCTCAG
218001 CCAGGGAGAAC TGAGGGACAG AACTACAGAA AGCTGGGGCC CAGCCCTGTA
218051 CAGCATCCCTG GGTCTCCGGG AACCAACCAT GCTTCCTGAT TGTAGGTGAG
218101 CTTGTGCCCA GTCCTGCACC TGGGTGCCTC ATGAGGGCCA GATCCAGAAC
218151 ACATGTATTC TCCAGGCTAA TGAGGGAAGA CAGAGCTAA CAGTGACTAC
218201 TGAGTTGGA CATCTCCTAG AGAGTCTTC CCTCTGCTTT TCTTCTTGTT
218251 GTGCTCATTT CTGCTTTGAT GCATTTGAT CACTTGTAA TGAAAGTAAT
218301 CAGAGTAAA ACTACTTTCA AAAAGCTCT CTAAGGGAAA GTAGCAAAAT
218351 CACTTGCTT GCAGGTAATT AAAATAGCCA GATGCAGTGA ACTCCGTCCA
218401 CTTATTATAA GCAGGGTGT CTCAGTTGT CACTTCTCTT TGTAGCTGGA
218451 AAAAAGGGCT CATCCAGGGG CTTAGCAGCC ATGTCTCTT TCTTGTCTC
218501 CTTAGGGAAC TTGTGCTTTC TCTTCCACTG CTGTGTTCA GTGCACCTCCA
218551 TGCCCCCTTC AGTTGGCTAA GGTATGCCA AAGGCCTGGT CTACAGTGGT
218601 CCAGCAAATG CCTCTTGAG CCTTGCCTC CCTCACTCAT TCGGCCTGGC
218651 TAGCTCTCTG ACTTTCTCTC CAATACACCT GTACATCTCT GTCTCTTCT
218701 GCCTCCCTCC ACCCATCTT TGTCTCTGTT TCTCAGATGC TCATCCAGTG
218751 ATCCATATT CCATCAAAT ATAATAAAC CAAGGTATT TTATAGGGAT
218801 TTTCAGAGAT CTTTACTTAT ATCCAGTCAG GTGGAGCTTG TACAGACCA
218851 GGTCTGCATG AGTCTCATATA GCTGAGACTT TAGTCTTTCC CGGTGCAAG
218901 CTTGCCAAT GATTTGGGG AACCGAGATT AGAGACATCA GAGGATATGA
218951 AGGGCAGAAC CTTCTGGAT AGGTGGGTGA TGGACAGGAA AGCAGGGCG
219001 AGGAAGATGT CTCTTATAA GCTACAAAAG AAGAAATACC CTAGACAAAG
219051 GAGGAGGTTT CAGAAGGGGA CACCAGGGTA GGGGCAGGGG TGTCAAGAAAG
219101 GGTGGTGCAC ACATCATCTT AATTCCCGAG AGAGTGAAGCT TGCTTGTCT
219151 CCTTCCCACC CACCTGCAGA ACTCCAGATT TTCAAGGGCG TCTCTCAACT
219201 GTTTAGCCAT GAATGCTGGT TACAGGGAAG TTAAGACCCC TCTCCAGATG
219251 CAATATGTCG TGGCAGTGAC CATGGGATT AGCTGAATT CCAGTCTGGT
219301 CAATCTCACT GGGCTGCAGT GAGAGTAAAC AGAGGTGAAG CCTGAACAGA
219351 CCTGCTGAA CACGAATGAA AGGGAAGCTG GCTTCTGCAA CAGAGGAGGA
219401 GGAGAGCACA CACTTAAGAT GCAGCAAAG AGCATGCTTT GGGGAAAAAT
219451 TATTACAAGA AACAGAAGCT CATTAGAC AGCAACTGTG TTCTACTCCC
219501 AATGCAAGAA AACATGAACCT CTGAAATGAG ATAAAAAAATG GGATTGTAAGA
219551 TTGGCTGAGC CACAGTCAA AATAAAATGG AAGCTGGGG AGGTAAGGAA
219601 AGAATATAAA GAACCTGAA TACAATTGCA GAAGTCCCTT CTCCACTTCA
219651 AGCAGTCAA GGAAAGATTA ACCATACAGA AATCATAGTT GTTCAATAC
219701 AGGGAACAAA CTTGAAAACC GCTCCCCAA TACACCAAGA ATGAGAAGAA
219751 GATTAAAAAA ATACTGTGGG AGAGGATGAT AGTTATGTAA GACAGAGATA
219801 AAAGATTAA AATAATAGTG ATTGGTTATC TTAAAGACCT CAGAGCAATT
219851 CAAATGGACA CAATAAGCAA AGAGAGATCC AAAAAAATAA GTGCCCTATA
219901 CTGAAAGATC TATCAAATAA GTCAAATAT AATTGCTGAC ATTTTAGGTT
219951 TTGAAAAAAA AAATTAAAGT GATCTGAAAT ATCCAGAGAG AGAAAAACAA
220001 AGCAGACAAA AAAAAAAAAG AGTCTCACCT GGTGTTGCAC TGGGGCTCT
220051 TGAGTGGTTT CAGCTGACCC GCTTGCCAG GGGCAGCTTC TCCCCTTCAG
220101 TTACATTTGT GTCAAAGGTG AGTCTCAGAC ACTGTCTGGT AGGAAGGAAA
220151 AAAAAACATTC TTGTTCTGGG CTTTCTGCG ATATTAAGAA GCAAGAAGGC
220201 AATGAAAGAAC ATTGGTAGAA TTTTGGGGTG GTAAGACCAT GATGCAAGAA
220251 TTCTACACTT ATCAAATGGT GATCCATGTA TGGAAAGAAAT AAAAAAGTATT
220301 TTCTGCTGGG CAAGGGTTCA AATAATACAC CATCGTGTAA CTCTTGGCTG
220351 GGAAAAAAAG TGAAAGATGA ACCCTTCACA TTCTACAGAG AAATCAGAGA
220401 ATCTGACAAA GAGGAACCTCA AGGCTTAGGT GAGCACAGAG GCTCTTGAAA
220451 TGAGAAGGTG TCTAAATAAC TTTTCAAAT ATAGTTACCA AAAATTGCAA

220501 AGGGTAAATG ATGAGGTTAA GTGCCCTTAA TTTTCTTGAC TGACTTATTG
220551 GAATTCAAC AGATCCTGCA TAATCCTTGA CTCGGTATGT TAAAAAGCAT
220601 ACATGAGGC AATATTCCAT CAGAGCCCAG AACAAACCTC ATGCAGCCCC
220651 AGACAAGTGT CCATGGCTGT TCCCAGGTGA CCTGGGAGAC TTCACCTCCT
220701 GCCTTCACTG GTGTATCCAG AGACCATGGG AAGGATCAGC CACTGACTGA
220751 CGTGTGCGAC CTACGGTCGG GCCTCCCCGT GCCTTCATCT CGGTGGCTAG
220801 AGTGTGCTCC CCAGAAAGCA TGCAGGGCTA CAACTGAAGT GGAAGAAAAC
220851 CGCAGCGGGT CATAGTGTGT CTTCCTTGTG TGATGAAGCC TTTGTTCATG
220901 GGCGTGTGTC AGTATGCCAG TGACATGGTC AGGACAATTG GGAAGGCCTG
220951 AACTATTGGT TCTAATGTG CAGTCATAAC AATGTGATTA ACCAATTAGA
221001 GAGAAAATGCA TAAGAGCAA ATTCTGTTGC CAAGAAAAGG CAAAGAAGGT
221051 AGAAGAGCTG CCCTGTTAAG AGATAGAGGT AGAAAGTTCAA CCCCCAAGGC
221101 AATAAAGGGC CACCATGGGA CACAGCCTTG CAGAAAAAGAA GGAATGGCCA
221151 TCAGGGTGGG GTGGATAGGA TCATGGGAAA TACACATTCT CATTACACGGA
221201 GAATGTGCCA GGCTGCCAGC CCACCGCCAG GGGCTGTATG GACGTCATCT
221251 CATGCACTCC TTTTCCTAGT TGGTGTTCAC TGAGAGGCAA AGAGAAGGCC
221301 GATAACTTTC CCAGTTACTG GACTTGTAAA TGACGGCAC AGTACTGGCA
221351 CCTGCCATC CCCTTCAGT GTGTGTCAGT GGCCACTCCC ATGATTAGGA
221401 GAGATATTTG TCAGGGAGTG GGGCTTGACC TGAACCTGGA AGAGTGGGTG
221451 GGTGGGACAT GAACAACCAAG GTACAGGGCA GGGGCAGCAG CAGAGGGAAA
221501 GACTTCATGC AGCTTTGCTG ATGTTATGGC TGCAATTCTT CCTCCCTCCAC
221551 CAGACTTGGC ACTTGCAACT GATCAGACAG CAGGTACCTA AAAACTCTCA
221601 CTCCCTAAA GGGAAATGAG GAGAAGTTAG AGTTACCGCA GACATCAAAT
221651 ATTGTATATC CAGTTGTTT AATGAAATGA ATCACATTAA CACCCATCTT
221701 GTCTTGAAC TTCAGTGGCT GTCTCACGT GGCTATGTGA CGTGACAACC
221751 CCAGTGAGCA CATTACAAAG GAAGAAAGTC CCCGCCAATG CCACGTGAAA
221801 CACAGGGTGA GGGCTCGTT GCACAGGAAG AAAAACGTCC ATATTTCTCG
221851 GTCACACCT TCTGTCCTC CACTTCTGCC TGGGTTCCCTT CTCGCCAGTG
221901 TCCCCACCTC TGCCCCCTGC CAAATTCAG TGACATGAAG ATCTCGTTA
221951 TGTGCCAGGC TTGTCCTCAAT AAACATTCTC CTAGCAATT TAAAGGAACA
222001 AACTTCCAT ATTTAAAAACT TTTGTTGTTC TCAAGGGTAAA CAACTGTGGG
222051 TATCAGGAAG ACCTGAAAGAA ATGGGAATC TATACAAAAG GAAGGCAAAG
222101 TCCACTGCTG AGAAATGTGG TTTCTCTCTG TAAAACATGC TGACAGAAC
222151 CCATATACTA ATTTAGAGAA ACAGTGGCA CAAAACAAGA TGCACAGTTG
222201 AGCGTGCCTG TCTAGAAGGC TGGGAAGGAA AGAAACTTGAG TGAAGGCACC
222251 ACCAGGATTC CTGTGGCTAT AGCCCCCACGG AGACTCTGCT GGCTGTGATT
222301 ATAATCATCA AGCTTTGCAG CAAATGATTG TGATTTACA CATCCTACCC
222351 TTTTAAAAA ACCAGAGATT GGATGAGAAT GGAGGGCAGG GTAACAAC
222401 ACTCAAAGAG CCCATGTGAC ATGCCAGGTC CAAGGCTGAG CATTCTGTG
222451 ACTTCTGTT CTTAATTCT GTGACAGCCC TTCAGGGTAA GGACTGTAT
222501 TACCCCTAAC TTGGCAGGTG AGGAAACTGA GGCTCACAGA GGTTTAATGA
222551 CTTGCCAAC ACCACTCAAC CGGTGAGGAG GAGAGCTGCA ATAAAGACTG
222601 ATTTGAAATG TAAATGTT TCTTGCCTCT GTCTGCTCTG CCACATCTCT
222651 TACATGTATA ATTTAAAAAA AAAACACACA CACATAGTGA TTATCATTC
222701 GCAACTGGGC AGATTGTGCC TGCACTCTCA CTGTTGTTCT GAGGCAACT
222751 TTCTGCACGT GTAGCTGACA TGTGCCGTG TTGTTAGCCA CTCTTGACTC
222801 GACAAAGAAA TTGTGATGGT TTTTGGAAAT CTTGTTTCT TTGTTGTTT
222851 TGTTCTTCT ACTATGCCAC ACTGTCTATG TATATAATGA TTCTGTAAT
222901 TAAAAAAGGA AGGAGGCCTT GCAGTGAGCA CCTGCGCAGT CTCTCCCTT
222951 TTCAAAATTAA GCAAAAAGCC GGGGACTATG TATGGCTCAC CTCAGAGGAG
223001 CCAGTGGACA GGGTGGGCTC AGGACCGAGC TGCTAACTAG ATTTGCTGCC
223051 AGTGGACTCA GCCTCTGTGC AGCCCATGTT GGGTTCTAGG GGGACCAGGA
223101 GCCTGTGGGG CAGCCCGAGA TGGCAGTCTT GAAAAGGAA TTCAGGGTGG
223151 GTGTGATCAG GGATAGAGCT TCTCTAGTGT ACATCACACA GGAACCCATG
223201 AGTGGTACCG GCATGTGCC TAAACCTCAT CCTGCCGTGTT TGTTCAACT
223251 CCTGAGGATA GTAAAGTAGT GGTCCCTGTT TTCAACACTG CACCGATCAA
223301 GTTTCATTCT TGTGTTTCAC GATTCATAG AAAGATCTGT GATTCTGCA
223351 TCTGGGCCAT TCATACCTTG GCAGGATTCT GCAATTCCGC ATTTCATTGC
223401 TTCAACAAAC AGTGTGACTG GCCTGCCGTG TACCAAGGCCT AGTCGAGGGC
223451 CCGGTGGCGG GGGTCCAAGA GGAGTGTGAG AGGGCCCTGC CCATGGGAG
223501 CTGAGAGGGGG ACACACACCC CCTGCCATT GTAAACCCAGG GTGGGGAGCG
223551 CGACACCGGA GCACGTCCAG TCTGTTATGG AAGGAACAGG GAGGCCTCCA
223601 AAAGGGGGTG CCATCTGGAC TGAGTACTAA ATGATGAGAA ATGGGTTAGA

223651 GAAAGAGGAG GGGAGTCTTC TAGGCCAAGG GTTAGGGATAT GAAGCCAGCA
223701 TGGGGAGCCA CAAGCCAATT GGTGTTCTC CAAATATAGA GTTTAGGGCA
223751 GAGAGAAAGC AGCAAGGGCA AGCCTGGAAA GGAGCTTG G CCAAGCTGGG
223801 GCCAGACCTG GACCATCAGG TTAAGGAGTG TGGACTTTCT CCTGGATGCA
223851 AGGGGAGGCA GCATTCTAGG GTTTAAACC TTAGGCCTGG TGTTCAGAAA
223901 GATCACCTGT GTTGCCTTG GGACAGAGTG ACCCTGGAGG CAGGGGCCA
223951 GCAGGAGGCA TCAGGACAT TCAACAAAGC CACACAGAAG CCTGAATCGG
224001 GGGAGTGGGC AGACCGGAGA ATCACTTAGG AAAAATACAG TCAGCAGGAC
224051 CAGGCACTGA TTGTAAAAT TAACCACATCAC ACCTGCCAC CCCAGGATGG
224101 TTCTAATGTC CTTCTCAT CCTTAGCCAG TCCTCGTCTA AGCAGAAGTA
224151 CAAGTCATCT CAGCGAGGCC TGAGTGAAT CCTTCACAGT ACAAGAGCCA
224201 AGTTCCCCTT TTGGGCTGGG CCCTGAACAG TCCTGGGAAA GTGTCAGCCC
224251 TTCGTCAGGG CGCACCCCTGT CACCACCCCCG TCTGGAAAGC GGGCCACTGA
224301 CTCAGAAAGG AAATGTGGCT TGGATGCCAG AGTCAGAGTG TGATTCTCCT
224351 ACCCTGTGGC TCAGTCCCTG TCCTGGACTA TAGATGGATG GAGTGTGCA
224401 CTCTAGGGTC ATTGCACCTT CCTTCTCTGA GTTGCAACCT CCACCTCCAG
224451 TACGCAGGGG TTCCGCAGGA GGGTGGGAA GCAGCTTGAT TCCAGAACATC
224501 TTTACCTCTC CTCATCCACC AGCCTCAGAG GTGCTTTCTG CCAATCACAT
224551 TTTTCCCAGC AGTCTTCTT TCTTCAAAA GCTTAATAAT TTAAACAATA
224601 TCCATTGAA ATTATATTAA AACACTAAA CAATGTAAGA TGCAAACATTA
224651 AGGGGAGAAA GACCAAAGGG GAATTAGGT GTGGGATTTG TCAGAACAAA
224701 AGAACAGTCC ACAATTGGAG GGAGAGGAGT GGCAAGAGCAC AGAGGCTGCT
224751 GATTAGATCC AAGTGTGCT CTTTCTCTAAG GATACTTTTG TCTGAGAAAT
224801 GCACGCCTCG ACCAGCAAGC TGCTGAGTT AAAGACATGG GAATCTGGGT
224851 ATTTAATCAA CCGCCTTGTT GACTGGAGCA TGGGGGAGCC TAGTTACTCC
224901 TGGAAATCGG TAATGAAGGC TGCGGCAGGA GACCCGCCTC TTAATAAGGC
224951 AGCAGCCAAT TAACAGAGCA AATGTTTGAG GTGTCGGCG CGAGTGTGATGG
225001 GATGTCCTGT CTTCTCCCAG GGCCCTGGGG CCTGTCAGTC AGACAGGCCAG
225051 GTACATGACT TAAGTTAATT GGAGAAAAAC CCTTCTCAGG GAAGTGGGCA
225101 CTGGTTGTC ATTCAATGGG ATGGAGATCT GTGTTTGACA AGTACCTTTG
225151 CCTGACCCAG GAAAGGACAC GTCTTCAGA AAGGCTCTCC TCTCCCCGA
225201 CCCTAGCACC ACCACTGAGA CTCTCTGGTT GGGAGTTCT AGCCCCAGGA
225251 ATCTCAAAGC CAAAGAGCAC AGCTGCGCAT CTGAGAACCA AGAGAATT
225301 GGCAGGAGAA GGCAGACCTC CTTCTGAGA GAGTGGCTCT CCCCACCC
225351 TCAGATGGTA CCTGGGAAGC ACCTGCTGAG CCCACCAGGG TCTGGCTCT
225401 GGAATGGCA GGAGGAAGTG CAGGATGTGG GCCACAGGAA GAGCTGTGAC
225451 TGGGAGACAT TTGAAACTCA GGGTAGGACA AAATCAGGGT GGGCCGGGCT
225501 TGGCCAGCTG GGGAGTAGCT GGTATGCCA ATGGAGAGGT CATTCAAAA
225551 TGGGCAAGG AGTAACATGT CAGTAAAGTC CATGTGGCA CGCAGAGCCT
225601 GCTCCAGCCA CCTGAATATC CACCAGGCAG TTGCACGCTC TGTTCCCTC
225651 TCCCCCACCC CCCTCTCTC TCTCTCCCTG TCTCTCTCTG TGCCCTCTT
225701 CTTCCCTGT ACTCCTCCCTC ATCTCTCAC CTCCCTATTTC ATTTCCCTT
225751 TCCGTGCCCT CCCTGTGAGG TCTGACTTGA GTGTGCCCTAC ACATATCTAA
225801 AACAAAGTGAC TGAAATAATG TGTTCCTCAG TTAACTGGGA GTATGTATTA
225851 CATGGTCAA GCTACTAGTT CTATGTTGAG GGAATTAAGC AGTTCCCTA
225901 GCAGAGTTGA GACAGTCTGA AATAGATGAT CACCCATGCT CCCCAGCCTC
225951 AGGGGATGAA CCATGCCATC TGACCGTTCA TGGCCTGTG AATGCTGTCA
226001 ACCCCACATG AGCCAGCAAG TTTGCTTTT ATTGGAGAAA TCCCTCTCTC
226051 CAATTTCACA ACAATCACA GTCTGGATTA TAAGTAAATG ACTAATTCAA
226101 CAAATGAGTT ATTGCTCAGT ATTCTGCTCAT CCAGTTAAA GTGAGAGGAG
226151 GAGGAGGAGG AGGGATGAT GAGAACAAC AATCATCACA AGTAGGTGGA
226201 ATTATTACCA CACGTAAGA AATGGAGGTT TCAGAGGAGT GTTAGGTTAT
226251 GCCACAGTAA CAAACAACCTG CAAAACCTCG GCACCCCCAGT AAAAGTTCT
226301 CACTCACCGA GTACATCCAG CATGGGTCCG CAGGGGCTCA GCTCACAGAC
226351 CCAGGCCAC ATGGCCTTCT GCAGTCAGTG ATGTAGGGAA GGCCAGGCAT
226401 CTGAGAACCA GGAGGATTTT GGCAGGAGGG TTGGCAGGA GAGGCTGAGC
226451 AAACCTCCTC CGTGAGAGGG TGTCTCTCCC CACCTCTTCA GGGGGTATCT
226501 GGGCAGACCC TGCTGAGGCC ACCATGGCT GGGCTGTGAG ATGACCAGGA
226551 GGAAGTCCAG GAGGGGAAAG GGGATGTGAA GAGGGAGTAA AACCCCAAGG
226601 TAGAGCCTGG AATTGACACA CATTCACTTA AACCCCCATT TCCTTGGAAA
226651 AGTAAGTCAC ACAGCCACAG CTAACCTGGC TAACCTTCTC CTTGGAGGAC
226701 AGAGGCCCTG CTTCTCTCATG TTCTCTCTCA GTCCACGGCA TCCCAGGCCAG
226751 CGTGTAAAC TAGAGTGAGG GCTGAGTGT CATAGGAACAG CTTGAACACA

226801 CAACCCCTGCA CATAAGCTGTG TCCACCGTGC AAGGCTGACCT ACTGGCATAT
226851 TCATAGAATT GGAAGGGAAA CCACCTGGTG AAAAGGAAAT GTTTTCTTC
226901 ATTTTCTATT ATGACGTATG GCATACAGAC AGTGGGATGA AAATGTGTAC
226951 ATGCAGTTGA AAGAATGATC GTGAAGACAA GAGCCGTGTT TTAGGAATTA
227001 GGCTGTGCTT TAGAAATGCT CCCTCTCTCG TGCCCCCTCCC TACTCACGTT
227051 CCTCCTCCCT GCCTGGAGGT GACCACTGTC CGTTCTGTGA TAATCATCTT
227101 CCAGCTTTCT TTATAGTTAT CTAAATTTAT ATTCAAAAT GTGTCTAAC
227151 ATGGTTTACT TTCTCTTGT TTTGAACCTC ATATAAATGG AACCATGCTG
227201 CGGGTGTCTT TTTCAGATT ATTCTTACA CTCAGTATCT GATTGTAAAG
227251 ACTAGTTCAT ATGGGGTATA GTCATACCTT GTTCTTTCA TTCTGGATA
227301 TCCCCTTGTA TAACTATGCC ACGATGTATC CATTCTGCTG TTGACAGCCA
227351 GCATTTGGGT TAATGCCAT TTGGAGATAT TCCAAGCTGT GCAACTGGAA
227401 TCATTCTTGG ATATGTCTC CTGTGCACCT GTGAAAAGTGT TCCTCTAGCG
227451 TGTACTCTAG GCACTGTACT TCACTCTCCT TTCTAGATAT CACCATACTC
227501 TTTCACAAAA TTGTTGACCA GCTTCCCTTG GAAACAACAG TGTGTGAGTT
227551 CCCATAATTC ATATTCTTAC TAACACTTGT GACTATAAAA CCCCTTTTG
227601 ACAAAATGCT TTTTCTGCAA CTACTGAGGG TTTTGCCTT TTTCTTATTG
227651 TTATTACGG TAATTGATT TCATATGTT AACCAATCTT ACATTCTGG
227701 GATAAAATCCC ACTTGGTAAT GATGTATAAT CCTTTTATA CCCTGGATT
227751 GATATTAGGT ATAATTTTAT TTTATAAGTT ATATATATAT ATATGATATA
227801 TATTATATAT ATTGCTGGAT ATGGTTTGCT AGTATTTGT TGAGGATTT
227851 TTATATCTA TAATCATAAC GGATATTGGT CAGTAGTTT CTTGTGTTG
227901 CTTGCCTGGT TTTGATATAA GGTTGATATT GAAGTCACAG AATGTGTTGG
227951 AACATCTTCC CTTCTCTTTT ATTTTGTGGA AGAGTTTATG AAGAATTGTT
228001 ATTAATTCTT ATTTAAATGT TTGATAGAAT TTACCAAGTGA ATTAATTGG
228051 TCCCTTGCTT TTCTTGTGT GAAATTTTA AATAACTAAA TCTCTTACT
228101 TATATAGTTT TCTTATTTCT TCTTGAGTTA CTTCAATAG TCTGTGTTCT
228151 TCTACAAATT TGTCCAATTC ATCAAAGTTG TCTAATTTAT TGGCATATAC
228201 TTGTCATAC TCTCCCTTA TAATCCTTTT TTTTTGTAA AGTCAGTAGT
228251 AATATCATCC TCCTTAAT TTTTAGTAAT TCGAGACTTC TAAAAAATT
228301 TTTTGTAGT CTAGCTAAAG GTTTGTCAA TTTTGTGAT TTTTTTTTT
228351 GAAAGAACCA ATTTTGGGT TTGTTGAGTT ACTCTATTGC TTTTCTATT
228401 TCTTTCCATT AATTTCCAGT TTAATCTTTA CTACTTGCTT GCCCTGCTTG
228451 TTTGGGGTT AGTTTGTCT TCTTTTACT ATGTGTTATG GTGAAAGATT
228501 AGGTATTGA TTTGAAATTG GTTTTATTTT ATTTTATTTT TTTTTGAGA
228551 TAGAGTCTCA CTCTGTCACC AGGCTGGAGT GCAGTGGCTC ACTGCAACCT
228601 CTGCTCTCA GTTTCACGCC ATTCTCCTGC CTAGCCTCC CGAGTAGCTG
228651 AGACTACAGG CGCAAGCCAC CACACCCAGC TAATTTTGT ATATTTAGTA
228701 GAGATGAGGT TTCACCATGT TGGCCAGGAT GGTCTCGATC TCTTGACCTT
228751 GTGATCCGCC TGCCTCAGCC TCCCCAAATG CTGAGATTAC AGGCATGAGC
228801 CACTGTGCCT GGCCTGTTT TTTTTTAATG TAAAGCATTAA TAGCTACAAG
228851 TTCTCTCTA AGCACTCCTT TACTACATCT CATAAGTTT GTTACGTGTT
228901 GTCCTTATTT TCATTCATAT CAAAGTGTAT TTTCTCTTGT AATTCTTAT
228951 TTGACCCATT GTTATGTAG GTGTGTTG TTTAATTTC ACATATCTGT
229001 GAATTTCCA GATTCATT GGATACTGGT TTTAATTCA GTCTTGTTG
229051 AGATGAACAT ATTTTGTGTG ACTTCAGTTC TTTAAATTG ATTGAACATT
229101 CTATTCTGGT CTAGTATATG GTCTGTCTG GAAAATGTT TATGTACACT
229151 TGAGAAAAT GTGCATTCTG CTTTTGTTAA ATAGGGTGTGTT CCAGCGGGAT
229201 CTAGTAGGTT TAGTTGTATC ATAGTTTGT CAGTCTTTA TTTTCTTGT
229251 GATCTCCTA GTTGTCTAT TCATTATTAA AAGTGAGATA TTAAAGCCTC
229301 CATCTATTAT TGTCATCTAT TTCTTCTT AGTCTGTGCG CTTTTGCTTC
229351 GTGTATTGGT GGGTTTCTTG TTAGATGTGT ATATGTCTAA AACTATTAAA
229401 TCTTCTAAAT TGATTAGCCC TTTTATTATT ATCTGTTTAT ATAACACCTG
229451 GTTATCTCCA GTAGCATTGT TTTATATTAA AGTTAATTG GTCTGATATT
229501 AGTATAACTC TTTCAGCTT CTTATAGTTT CTTTTCCAT GCTTTTACTT
229551 GCAATCTATT TATATCTTAA ATTCTAAAGT ATGTGTTCTA CAGCCAGCAT
229601 ATATTGAAAT ATTACTTTT TATCCAGTCT GAAAATCTCT GCCTTTGAT
229651 TGGATTGCTT AATTCAATTAG CATTAAATGTTATTGAT ATAGTTGGAT
229701 TTATATTGA AATTTTACTT TGCTTCTTAT ATGTCCTATT TCATTTATT
229751 CTCTGTTCT CCCTCAGTGC TTTGTTTGTG ATTAACATGAA CATTCTGT
229801 TGTAGCATT TAAGTCATT AATGATACATT TTCCTACATT TTTGGAGGGT
229851 GTTTTAGTG ATTTTCTGG GGTTTACCAT ATACATCATA ACTTATCAGA
229901 ATTTACTTCA AATTCAACT AAAACTTTA ATTCTGTGA GATATAGAAA

229951 TGTATTCCCT ATATGTATTT TACACTTAC ATTTTCTGC TATTACTGTT
230001 ACACAAAATA AAACTATATA TGTTACAAAC CCAATAATAC ATGTTTAAA
230051 TTTACTGATT TAAATAATT TGTCATTTGA AGCTGAGGGGA ATAAATGAGA
230101 GCAAGTATAT AGTTATATAA TTTGTATGTT AACCTTCTTA TTTACCATTG
230151 CTGTTTTCT TCAGTGTGTT TGTAGATTCA AGTTATCATT TGATATCATT
230201 TCCTTACTCC AATACAGTT TGCAACCAC TACATCCTT GTGCTATTAT
230251 TTTCAGTAT GTTATATTTC TGTATGTTAGG CACAATT GTACAGTTAT
230301 AAACATATTA TTTTATACAA TTGCTTTAA AATCAGCTAA CAAGAAAGGA
230351 GAATAAAATGT ATATTTATAC TGTCTGCTAT AATTACATAG TTATCTTGC
230401 CAGTGTCTT TTTTTTGGT GTAGATGTGA TTACCATCG GGGTCACTTG
230451 CTTCAGCCT AAAAGCTC TTTCACCTT TGTAGAGTGA GTATGTAGCA
230501 ATGAATTATC TGTGTTGTT TATCTGAGAA TGTCTTATT TTGCTTCGT
230551 TTTGAAAAG TGTTTGTGTT GGATATACGA TTCTTGTGTT ACAGTTTGT
230601 TTTTAGCAC ATTGAATATG TCATTCAC TGTCTGTCG TTCTTAGCT
230651 TCTGACAAAA AGTCAGCTGT TAATCATATT GAAGTTCTT TGTACACGAG
230701 TAAAAAAA AATTGTTGCT GCTTCAAAT TTTCTCTT GTCTTGTGTT
230751 TCTATATTT TAGTAGAGTG CACCTGGATC TCTGTGTATA TCTTCCTTGA
230801 AGATGTTGA ATTTCTTGGG TGTACTGATT AATTTTTAA TCAAATTAG
230851 GAAGTTTTA GCCATTAATC CTTCAAATAA TTTCTGTTG CTTTCTCTT
230901 TCTTTTCTG GTGCTTCTAC TGACACATATG GTGGTGTGCT TAATGGTGTG
230951 ACACATTCTC CTGAGGCTT GTTCATTTTT TTTTTTGGT TCATTTCTT
231001 CCCTAGTAAA CTAGCTGTCC TACAGTCTAG CTGTTGCTC TCATGGAGCT
231051 ACCAGCCTCC TCTTAATTAC TTACCAACAA AATGTTCAT TTTTAAGAG
231101 TACTTTAGG CTCAAACCTC CTCATACTCT GTTCCAAATT CCTCTCAGTC
231151 AGAGCTCTCC ATTTAATGG CCTGTCCTGC CCCATGGCCA AAATCTCAA
231201 GCCACTGCTC CAGAGTTGG TGTGGCATA ATGGCCCAGT TCTCTAGAA
231251 TGACAACCTT AGTTGTAATT CTAGCCTGGT TGTCTGGTA GACTCTGGTC
231301 TCTCAGTTCA CTTCTCCCAG CATGAAATCT CTGCTCTATG AGTAAACTGG
231351 GGTGAGGGAA CTTCGGGTCC CAGTGTACT GCCCTGTAC ACCAGCAGTA
231401 GAGTCTCCAT CTTATGAGTC AGAGCTGAGT GGAAGATGAG AGCCCCAGAC
231451 TGCTCAGTTG CTTTGCTTG GAATTAGTC TCCACAGCCT GGAGCTGGCA
231501 GGGATTCTGTT GTGCTGGCAT CCTGACCTC CAGGGAAATA TTATATAACT
231551 TGACTGGAAG CTGGGGAAAGA GGGAACCTG TCTCCTTGGC ACTTCCATCC
231601 AGAATGAAGC TTCTTCACA TTTAGCTGGC AAAGAGAGAG GGAGCAAGCA
231651 GATCATGGCT CAAGTAAGAC TCTGCTGTT TTTACTGAAT TTAGTAGATT
231701 TTCTTTTTT TTTTTTTGAGA GACAGACTCT TGCTCTGTCT CTCAGGCTGG
231751 AGTGAATGG CACAATCTCG GCTCACTGCA ACCTCCGCCT CCTAGTTCA
231801 AGCTATTCTC ATGTCAGC CTCCCAAGTA GCTGGGATTA TAGGTGCCA
231851 CCACCAACACC TGGCTAATT TTGTATTTT AGTAGAGACG GAGTTTCACC
231901 ATGTTGGTCA GGTTGGCTC AAACCTCTGA CCTCAGGTGA TCCACCCACC
231951 TTGGCCTCCC AAAAGTAGAT TTTCTGAAAT AAATGTTCT TCATGTGCTA
232001 TAGGTACTTA GGAAAATTC CAGATACTT AACCGGGTGG GTTGGAGTG
232051 TGTGTGTTT TTTTAAATC AAAATCATCA TTTCACCAT TATATTATT
232101 TCTCTGAAGA GCATGTCTAC AGAGTTGTT ATGCCATAAT TCTAAAAGCG
232151 GGACCCAATG TTATTTTTT TAGTCTACCT GGATTTAATG TGTTGTGAAT
232201 GGTATAATGC AAAGGCCAG TTTTATTATT TTTCACATGA ATTCCAATC
232251 CAATTGCCCT TAATCCATT TATTGAAAAG TCTATCTGTT CCCCCAGAGA
232301 TCTACAATAC TGCCCTCTGTC TTGTAGAAA TGCTGTTTC TGCAAGGAGCA
232351 TATTGAGAG TTCTTCTTC TGTTCACTTG ATCTATTCCGCACCAATAC
232401 CACAATGTCT TAATTATAAA AGCTTTATAT AGTAAGTTCT GATATCTCAT
232451 AGGACAAGCC CTTGCTCTTC TTCTTGAGA GCACTGAAGC TGTCTTCAGG
232501 ACTTTGTATA TGTTTATAAA TTGTAGATT AGCTTGTCAA GTGCACACGT
232551 GTGTATACAC ACAACCTGTT GGAAATTGTA TTTGTATCGC ATTGAGTCTA
232601 TGGGTAATT CAGGAAGAAT CAACATCTT ACAAGACTGT GGCTTCCAT
232651 CCGTAAACAT AGTATATCTC TCCATTACTT AAGTATAAAT ATCAACTGAT
232701 GCAAGCAGTA TGTGTGCTCT CTAAGGCCAT GGATCTTCCA GAAACTTGT
232751 ATATTTCTA CTCCTCTCCAC TCATCTCACAGGGTCTA AGGGTTCTA
232801 TCATGTCAAT GTGGGAAGAA CAAATTAATC TTAGAGGCTA TTACTGATCC
232851 CAATGTGACA GAAAGCCAGA TTCTAGACA AGTAGATATT TTGGTAGTT
232901 GCCTCTAATG GATCAACTAT ACCCAACGGG AGTGAGAGTA GAATAAGGTA
232951 CATTTTATC ACAAAAGTAGC ACCTACTTTA AAGCTCCTCC ACTGTTTTT
233001 ACTAACCAAGT TTATTCCTT TCATGCTTC ACCAACACTC CAGCTGTTT
233051 CTGACATGG GGAACCTAGCA TGAGGCTGG CTATTCAAT CAAGGCAGGA

233101 AAAATATTGAT TAGGGGTCTT TAAAAGTAAC TGCTGGTGCT TTCCCTTTAT
233151 TGTGTTTTT CTGATTACAA AGGTATTATG TATTATTTC AGAGAATTTA
233201 GGACATACAG AAAAGCACAA AAGAGAAAAA TAAAAGTGAT TTACCATCAG
233251 AGAGAACCGAG GGATAATATT TTGGTATGTA ACTTTAGAGT CTTTTATATA
233301 TATATATATA TATATGCCAT GCACACCCCA TGTTTGGGT TTTTTTCAA
233351 AATAGCTCTT TATAATGGA TCTCTTATA CAACAGTAAG TCAAACCAT
233401 GTTTCCTTG GAAAACAAGCA GGTAATGGGT GCTCAAGAGT GCTGCAGGGA
233451 AAAGTGCAGA GAATCCCTC AGGAGAGACA GAGGTGTTA AGTTGAGACT
233501 GCCAACCCAGG TTATGCACCA GCTCACTCCT CGAATACCAC CTACTGATT
233551 CTAGATGGCT GACGTGAATT TGATTGCCTC TCAAGGTTCC ATCCAACCTCT
233601 AAAGTTTGG GACTCCAAGA TTTCTGTCTG ATCTGTGGTC CCATGTCACC
233651 TAACACTGTC ATAGGCCTGA GTTGTGAAA TGAGGGGTGC TTAGTCAGTC
233701 TGGTGTCTATA ACGGATTATC ATAGCTAAG TGCGTTAAAG AAATTATTT
233751 CTCACAGTTC TGCCCCCTGG GAAGTCCAAG ATCAAGGTGG TAGCAGAACT
233801 GTGTCCTGGTG AGGGTCCTCT TCCTGGTTG CAGATGACCA TCTTCTTGCT
233851 GTGACCTCAC ATGGTAGAGA GAGAGAGAGA GAGATCATCT CTTCCGTCT
233901 TTTTTTAAA AGGGTATTAA TCCCATTAT GAGGACTCCA TCCTTGTGAA
233951 CTAATTACCT AACAGACACC TCACCTCCAA GTATCATCAC ATTGGAGATT
234001 TATGCTTCAG CATATGAATT TGGGGAGACA CAAACATTCA GTGCATAGTT
234051 AGGGGTTTT GGTTTGCTG TTTAACGTGCC CCACCAAGAA TATGATTGGA
234101 AAGTTCATAT TTAACCAAGA TGGTAGTACT GTCACAAATT CTTTCTAGAA
234151 GAGATAATAT TAAAAGACCA TTTCATCTGC ACAGCTCAAT TCCACAGAGA
234201 AGAGATGGTG AACTCAGGCT TGTCTCTGGT AAAATCACTG TGTGCCCTGG
234251 GCCCAGAACCC CCTGTGTGGA CCCCTTCCT CCCTTCAGCT CCACCAGTAC
234301 AATGGACCCCT TGTCCAGAAA GGGACTTCTC GTGAATAAT TTGCCTCCAT
234351 AATGACCGAA TAGGAGAAAG TTGCACATCT AACCAACCTGT AATTATCAAA
234401 TAAAATCCTT TGTGCCAGG TCAGTAAGTC TGAGTGTGGG CAGTTGGAGG
234451 AGGATAGGGGA AGCCAGGGGA GGGGGCAGGA GGACCTTCCC AGATCCTGTG
234501 AAATCACCCCT TCTAAGTTAC CACTCAGGAC ATGGCTAGCT AGATTAATGT
234551 GGGGCTCAGG GTTCCCTGC CCAAGGGACT TCATTTCAGG TCAGGCAGAG
234601 GCAAGCAGCT TAGCCCTCAC ATCTGTGCTG CTGAGTGTGG TTACTGCAGG
234651 AGAGAGCTGG AGTCTAAGGG AAGAAACTTC CCATGCTTCC TGAGGGGTGG
234701 GGATAACTCT GAAGCTCTGT GACCAGTTCT ATTAAAGCCA ACATAGAGAA
234751 GGGCATCATG CTGCTGAAGG TAGAGGCAAG TGATGCTTCA TCCTGAGATT
234801 TTGGGGACCA TTGCTGCTCA GGTGCTTGTG CTGTTCACCC ATCTTAGTGC
234851 CCCACCCAGG GAGATGGAGG GTGCACTGTG GCCCCAACCC AGTCTACATG
234901 GACTAGGTTA TGATCAAGGC TTCCCAAGAA GGAGGGTAG GTTGGTGGG
234951 GTCTGCCCCA AACAGTTGT CAGTGTGGGG CCAGCATCCC ACACACCCAA
235001 CCTGGTGTAA AGTTATGGAT CAGCTTGGCC ATGAAGCAGT ATATTCCAGC
235051 TCACTCATTTC TCACATTGGT GCTGCCGCT GTTCACACTG GTTCTTCTT
235101 GTATGTGCAT CCAGTGGATC TCTGCTTCTA CATATAGCTC ATTGTGCAAC
235151 CCTCCCACAT GGTGGTGTAA CTCATGGATT TCACATTCTT ACTCTCAGGA
235201 TGTGTTCAA GGAAGTTACCT CTCGGAAAAA ACTCTTCAA TCCCTATAAT
235251 TCCCACAGTC CAAGATTCAA GGTGCTGACC GCCCACCTAC CTGCATCACC
235301 CCAAAAGGCA GTGGGCTGGT GGTGTCATGT CAGCTCTGT TGGCTGCAGA
235351 GCCCTGGGGG CTCTCGTAA TAGCCGAGG CCTTCCTGGC AGGGATTAGA
235401 ATAGTCCATT TGGGCTTCCCT TAACAGAATA GCACCAAATA GGTGATTAG
235451 ACAACTATGA AAATTTTATT CCACCTTTT GGGGTGGCTT CTTAGGCCACC
235501 TTTTGTGTC ATGCTCACAT GGCAGAGAGA GATCCTCTCT CATGTCTCTT
235551 CTGAGAAAGG CACTAATCCC ATTCAATGAGG CTCCCCCCCAC CTCCAATAC
235601 CTTCACGTTG GGGATTTAGG CTTTAATGTA TGAATTCTGG GGAGACACAT
235651 TCGGTCATA GCAGCCAGCC ATGATGTTCT CACAGGTGGG AGCTGCTGAG
235701 AAAGCAGCTG TGACAAAGAA CATGAAGAAG CCTGTTACAA GGAGTCACCC
235751 TCCCTCTGGG CACAATTAAA GCAGAGTGC CCGCTGTAT ATGCCAGAAA
235801 TTTCACTTCC TCCCCGCTGG AGGCTCAGTT CGCACCAATAA AATGCCACAT
235851 TTGATATGCA GATTCCCTGA ACTCTCCAGA GAGGGAGCTGG CTACCCAAGG
235901 GGAAACAAAG GCTGTTCAGA ATGTGCTGG ATCCATTCCC CCATAAGTGA
235951 TGTTAACACT AAAACACAAAC AGCTCTCTT CATGGGGCTG GTTTTATGGC
236001 TCCCACTCCA AGTGTGCTTT GGAATTGTGG TTGTCCTCAT TGGCTTTTA
236051 CTACCTTAA AAGTTCCTT GCAGAACCC GTTGGCTGGC TTCCCTGCTGA
236101 CTCCAGGGCT TGTGTTGGAA AGGCCTGGAA GGTGCGAC TAGGAGCCTT
236151 GGGCCATGAC CCAGTCCTAA TACCAAGGTA AACACTGAGC TCAGTTATGT
236201 GTTCTCTCCT TGGTGTACAG TGCTTAGGGG GATCTGACA CACAGGTGAC

236251 CTCCAGGGGG CAAAGACTAG GATCACACAC AGTCTAAAAA CTTTATTCCA
236301 CAGGACAATA AATTTTAAAAA AATAGATAGA TAGATAGATA GATAGATACA
236351 TACATACATA CATACATAGA TACATAGATA CATAGATACA TAGATAGATA
236401 ATTCCCCCTGC CAGTCCTCAA ATCTCAGCAT GAAGCATTAT CTCCCCTGGCG
236451 GGAGAACAT GAAAATGTC TCCAAAGCTG ATGGCCCTTT ACCTGGAAGT
236501 TTGATGAGGT GTGTTGGCA GCCCCAGCAG GCAGATGTTG GGCCTGTGGG
236551 TGGGTGACAG GGAGGCCAA TTCAAATGCC CTGCTTGCA GTGTGATGGA
236601 TTTCAATTCC TCTCTCTGG AAGCAGTTT CACCATAAAAA TGTTGAGCCT
236651 TCCAACAGCT GGGGCTGCC TTGCAATGGG CCTCCCGGTG ATGAAGTGGG
236701 CTTCCCGTCC CTGGGAGTGG ACAAGCAGCA GCGCAGGCTG TTGGGAAAGA
236751 GGCGGAGGAA TTCTGCCCCC GGGAGCGACG TCTGACGATG AGGAGTCCTT
236801 CCAGCTCTAA CAGACAGTGT TCATACCTCA GTGTTTTCA AGCCCCAAAT
236851 CAGTTTCTTT AATGATGTC CTGTAACAAA CAATGCCAG TGATCGCTGA
236901 ACCATCTTT TTTCACACTT CAAAAGAAC TGAGAACAAA GGTGAAATG
236951 ACATTTCCCT GTCTGCCAAC TGATATTAC GCACATGAAT CATCTGACAC
237001 ATTCCGCATT ACTTTACAGG CACTTCAAAT GGAGGCTTT CCCCTGGGAG
237051 CTCTGTGTT GTGCCAGACA AGTGGAGGCC CTGTAGGGAC ACTCAGGGC
237101 TCTCACACCC TAGACAGGTC CGTCCTGCCA CCAGGAGTCA GGCCCACACT
237151 TTCCGTAGAC CCTCTTCCCT CATGCTTGCT TTTTCCCATC CTGGGAGTTT
237201 TAGGGACACT AGCCATGATT TTAAATTCA CGAGACCTAC ATGGGATAAA
237251 CCCTCAAGAG TAGATATGTT AAATGTCAGG AATGCCCTT GCGGTGAGGG
237301 CCTTGGGAAA GCAGTGTGG CTTCTGGCA GCCCCAAAAC ATGGGCAGAG
237351 CTTACGTGGT CAGAGTCTCG GAGTGGACAC CCTTGTAGG TTGTGTTGGCT
237401 CATTCCATTA AGTCCCAGAG CTGGCCGGTC TTGATGGCCT GGGGTTGGTG
237451 ACCCTCTGAG TCCTCGGGAC CGTTGCCCT CTGTGCGCTG TCCCTCCATG
237501 CCCCATCCCT GCATGGGCC TGCTTGCAG CATTGCCAG AACTACCCAG
237551 GCATTCAAGAG AACCAAGGCTG GTACTGGCCA GGGAGGCAGC CAGGGCTCT
237601 GTCATCACAG GCCTGATGTC CAAGCTCACG TCTGTGCTGG GAACCCAGTT
237651 TGCAGCCAGT CATGGCAGGG GAGGCCATC TCTTACCCCTG GGTTGACTCA
237701 GCACCCCCAGC ACCCACTCGA TGACCCCAAC CTGCCTTCC CTGTTGCTCC
237751 ATGGGGCCAG TTGCTTCTAGA CCCTAATGGG TCTTGTAACT CTGGCTTTCT
237801 TTCCTTCTTC TCATTCCTGA AACCAACCCCCC TCTGCTCTGA GGGCGAGGCT
237851 GCCTGAGCCT CTGACTCACT GCTGCCTCAC ACCTGCCTAC CCCTCTCCC
237901 CACTCCCAAC AGCACCGCCT CATCCCTCAT TCTTCTCTC CAGCTGGCGG
237951 GACAGGAGTC CAAACCCCCA GACTGCCAA AGACCATGCT TCAGGACCCA
238001 TGCTGCCCTT CCCCAGGCT GTCCTCACAC AACTCTGCC AGGAAGCCAG
238051 ACCACACAGG ACCCTGAGCA CGCTGGCTTG CCTGGGAGAA CTACTGTCT
238101 GTTCCCTTC AGGCCTGGGA CCCCTGTCTT ACTTTGGTA TCCTCCAGCA
238151 GGCTCCTGC CCAGCCATGG CTAATGTTA AAAAAAAAAT TAGGACTCTC
238201 CCACAGGGAG AGGCTCTTA AATAGGATCC AGATGCTTC CTTTTAGAGA
238251 GGCTGGCCTG CAGGCAGATA CCAAGTGAGG GGCATCTCA GTCTCAGCCT
238301 GTCTCCCTGC CCACAGCCCA GCCTGCCAAC CACAGCTGCC ATATTCCAAG
238351 CGACCTGTC ATTCCTCA CGACAAGCAG AGAACTCTGG GCAGAAATCA
238401 TGTTCTCTT CTGCCCTGGA GAACTCTGGG TCTCATCAGG GCAGACAGAA
238451 AATATTAGGG CATGATTGAA GATGAAGGTT GTGGGGCTAT GACCACATGC
238501 ACGGTGACAG TTCAAAGGAG CTAGAACAGT AAGAGCTGGG TGGCCAGGAA
238551 GCTTCTGGGA GGAGGGGGAT TGGAATCCAG TAGGATGTC TTGGCTTGGG
238601 TGGTGGAGG GCAGCCCTGC TAGATAGGAC CAACCCCCAAC AAAGGGATCA
238651 AATCAGCAGC GCCTCACTGG CACCTGGGA GGGAGGGAGG GAGGTGCTCT
238701 TCTACCTGTG TCATAGCTAG CTGCCCTGTG TCCCTCTGCCA CCAGGGATT
238751 CTCAGCTCTG AGACTATCTG GAGTGGGTG CCTAATGGGT TAACTAAGCC
238801 CTGCTGATGC CAGGTGACAG AACCCACCA GTAAATCAA TGGCACAAGT
238851 GTGTTGCCCT TAATGGTGTG GTTGAGGCC AAATGAGCCT GCTAGAGTCT
238901 CTAAAATCAC ACTGTGTAGG AGGCCAAC CTGTCAGAAT GGGGCCACC
238951 TAAGCTGAGC ATTTGTGGA GAATAAGAAA GTAGGTGCCT GGGCAGTGGG
239001 AGGGGCTGTG TCAGGCTGGG TGCCAGGACT TGGTGTTCATA ACCTCACCA
239051 GTTGTGACGG ACAAGCCTG GTCTCCCAAC CCAACCCCCCT GCCAGGTGGC
239101 TTCAAGTTCT CCCTCTGTGC AATAGAGGGG ATTGGCCTTA CTGTTTCTC
239151 AGTCCCCCTTC TCATCATGAT ATTCTGAGAC TCTGCTGTGA GTGGCATGAG
239201 ATGTCCTCGGT GTGGCTCTCC ACCCAGGTCC TGCTGAGGAG ACACAGGAGC
239251 AATGAGCCCA GGGAGGGGAT TAACAGAGGG ACCGCCATG CTGCAAATTA
239301 GCAAGATACC AGCTGCCAAA TGTAACAAT TGTGTAATTG GCTTTTGT
239351 TTATTAAGAG GCATGATTCT CTTAGCCAA GCCTCAAATG CCAGATGGG

239401 ATAAACTTT GGAAGATACA GAGATTAACA TTAACAAGAA AAGGACAGAC
239451 TTGGGTAGCT TTGGAGGCTG GTGGTATTCA GCAGGCCATG TGTGGGTGTG
239501 CCTGCCAGAA CCCTGCATGG AGACCAAGCC AGCCTTGGAA GTCCGCCCT
239551 GAGGCTTCTT CGTCTATTGG GATGGGTACC TACATTGGC TCAAGACTGA
239601 CTTTCCCCAG CATAAGACAA ACTGAATCCC TGAAGCACCG TCTGCTGGAA
239651 AATCCCTTT ATGCAGAAAA AGCCAGTTGG CACTAGGAAA AGTCCTGGCC
239701 TGCCAGCTGA TCTTATTCA GTGAAATAGA ATTATTAGAA TGGGCTAGAT
239751 GACAAACCAA CATGTCCACA GTTGGGGAC AAAGAGGGGA CCAAGTAGAC
239801 TTTGGCTTGG AGGGTCCAAG TACATCTGAC AGCAAGGCCA AGGGCACAGC
239851 TGCCCATGGG GCTAGACTAC AGGAATGACT ACCCACCGGT TCTGTTCTGG
239901 TGACGTTTG TTTCTGGCT CAGGAATCTG TGTGTGATGC ACCTCCCGTG
239951 CTAGGGAACT CAACTGGCA TCAAGAGACC TGAGTTCTCC CAGGCTCTC
240001 CTGTTGCTCT TTGGACCTA GTTTCTACAG AGGTGGCAG TCCCCTAAGG
240051 TACCCCACT TCTGACATCA GCTGCTCAAT AATTCAACAA AAGGATTCAC
240101 AGAGCTCACA AAAACCTTA TGCTCATGGT TATGGTTAT TACAGCACAA
240151 GGAGACATTA AGATCAACAG AGGGAAGAGG GGATGGGGC CCAGAAGAGT
240201 TCCAAGCACA TAACTCCCCA GTGTCCCCC CCACTGGAGT TGTGCAGACA
240251 GCACTGGGTGT GTGACAATAC ACTCAGAGCA CTGCCAACCA GGGAAAGCTTG
240301 CCTGAGCCTT GGCATCCAAG GATGTTACTG GGACTCAGTC ACATGGATAT
240351 GGCTGGCTGG CTGGCTGCAT GGCTGACCGT AGTGTCTGGC CTTCCAGAGG
240401 TTGAGCTGAC ACCACATGGT CCGTGGCCTC CCACCATAAA TCACATTGTT
240451 AGCATAGACT GTGTCATGGC CAAAGCCCC CAGCTAAACA AAGATGCTCT
240501 TATCAGGCAG CACAGTCCAA GGGCTTAGCA ATCCCTCCC AGGGGCAGGG
240551 GGCAAAGGCC AGAACTCCCC TTGGACAAGG GTATCTTCT TATGCAGAGG
240601 CTAGATGAGA TGGTCTCTG GTTCCACCAA AGTCTTAGAC TCTGGATCT
240651 TGATCCTGCC TGTTGGATCT GGGTTTATTAC ACAGCAGAAC ATGGAGAAC
240701 AAGTCCAGC CAAATGAAAT GTGAAACTGT GTTAGGTTTC TATTCAAGGTA
240751 CATCCTGTGT CACCTGTGGA ACTGTGTTTG ATTGTTCTC TCCCAAGGAT
240801 CATAGCTGGC AGGCTCTTA AAACCATTAG CTTACATTTT CTTTCTACT
240851 CTCCTGATCT TTGTTTCCAA CTCCTGATGT GGCCTACTGC AGAAACCCCA
240901 CAGTAGCAGG GAACTCCCGCT TCCTTGCACT TCTTAACATC TTTCATCCCT
240951 GAGGTGCGGG AGAGCCAAGG AGAGAGAGCG TGGCCAAGCT GCAGCTGTT
241001 AAATGGTCT GCCTGCTGCC GACCAAGATC TGGAGCGAAA GCAGAAATT
241051 GTCACATGTT GTGGCAGTGA AGCCTCCCCA TGGTGTGTC CTAAAATCCC
241101 AGGGCTAAAT TGGAAAGGAA TAAAAAACGC AGGCCTTTCT GGGATGCTTT
241151 GGTTGGATTCT CTAGAAAATCTGAGATA AAGCATTGCC ATATGGCTGT
241201 TTTCTGTTT ACCTGGGGC TAAAGAGAGA CATTCTGGAC TGAAATCTC
241251 CACATTGTT CAGAGACAAAC ACATCCAACC TCACACATT TTGTTGGCT
241301 AAAAACCACT CTTGTTCCAC TTTGTGGGA TATAGACATG AATCTCAGGC
241351 CTTTGAACA GGGATTACTG GCTGACTTGA GTCTTCTTC CCTGTAGGGC
241401 CTATGGACAT CTTGGTGTCC ATTCTCTCA TTGCTGCCCTA AGCAGATCAG
241451 TTGGCTCTGT CTCATCTT CCTAGTCCCC AGCTGAGCTC TTCCAGGAAA
241501 GAAGAACAGC TGTCTCCAC CAAAGTCTGC CCCAACAGCAG CTAACAGAGT
241551 CACTATTCA GGAGAGACCT TCAAGGGAG GACCTGAAAT GGCTGGGGAT
241601 GCCTCTCAT CCTGCTGTT TTTGGCTCAA CATTCAATA CATTAAATA
241651 TTCATTTAAATACATTCAAC ATTAAATAT ATCATTAAAC AGCATTAGAA
241701 TGCTCTGCAC CAAAAAATTA AGCAAAGGAA ATTGTAGGAA TTTTTTGGC
241751 CTTTCAAGC TATTAGTATT TTAAGTAGAC CTCAGTTCAA AACTGGAGTC
241801 TTGAAAATGG TCCCATTACT ATAAATTAGG ATGCCGCCCT GTGTTGTGT
241851 GAGACGCTTC CATCTGGAT TGGTCCGTTG ATGTTCCCTG GACTGAAGAG
241901 CTGCACTGAG TTCAGATTCT GAGTGTGGG TTTCACCTGA CTTCTTGAGT
241951 CACCAGAGGG TGTGCTTGAG TCACCAGAGG GTTCCCTCCA AGAAGAAAGT
242001 GAGGAAGGG ACATGGGGAA GCAGGCAGAA GAAAGTTTC AGTGACCAAGA
242051 GAGGAGTCAG AGTTACGGAT TTTAAAAAA ATAAATTGCA TGTCACTGTC
242101 ACTCTGTCAG TAAACATGGA TTGAGGACCT GTTGTGGACT TGTGCTGTGT
242151 CAAGCACCGG CGATACAACA GTGACCATGT CAGACGGTAT CCTTGCCCTC
242201 AAGCTGCTCA CATTGAAATA GAGACAGAGA ATAAACACAT GAACAGACAA
242251 GGATGACAGG TGGTAAAGAC CATAAAAGAAA AGCATTGAGG GAGATGTTTC
242301 AATGGGGAGT TTCAATGGCT GGGGTATCCT CGGAAGGCCCT CTGTGCAATG
242351 ACATTGAGA TGAGAGCTGC ATTTGAGAT GGAGTCAGCC ATCCAAAAAT
242401 CAGGGGAAAG AGAGACCCAC ACCAAGGCTC AGCAAGTGC AAGGCCCTGA
242451 ACCTGAAAGG AGCTTGACAC GTTCAAGGTG GCACACAAAG GCCACTGTGG
242501 TTGCACTGATC AAAAGTGAGA GGGTGGTAGG AGATGATGTT GGAGAAGGAT

242551 CCAGAAGCCC AGGCAGGTGG GGCCTGTGG ATGACAAGAG TCTGGTTGC
242601 CCATTAGAGG AGGGTAATAC TGGGAGAAC AGTCCCTGTC TGCAAGGGT
242651 GGAAGAAGGG CTGAGGGCTA GCCCTCATCC CTTTGTCGGG TACCACCAGC
242701 CCCTGCCAGT CGTAGGGCTT GCAGGCTGCA GGAGGCTGAC GCAGATGGTG
242751 AATGTTAATA CCCGTGGCCC TGGTCCGACC TTTTCAGCAT TCGGTGTTCT
242801 GATTAACTGG CCATTCTCCC TCTTCAGCAC ATGTTGAAGA TACTTTGTTC
242851 AGGAGGAAGT TGAAATGGGC AGCCCACATCA ATAACAGAAT ATTGAAAAGG
242901 TCACAGCAGT ACAGGCTGAGT TCTCCAACCT ACAAAATCACA GGGAGCGTCA
242951 GCTCGGATAA CTCATCTCC TGACAAATCA AGGAGCAAGG ACTGAAGACT
243001 GCACCGCTGA TTAGGCTCAT GGGAAACCAAG AGGGCCAGGG AGAAATCGAT
243051 AGAACATCCT GCCTCGTGCA GGGGTTCAAGG GCAGCAGGGG TGCTGATTAG
243101 CAAATCAGCA GGTGGGGCA TGCTGTCCCC TGGTGGCCGC TCAAATGACA
243151 GCGCGATTG AAAGACCCA GAGGGGAGGT CCCATCTGGA CCTGCCTGGG
243201 TGGTCCCCCT GGCTCAGCAA CTTGGCTGGA GATTGTTACC ATTTTACCAAG
243251 AAAACTATTA AAAAGCAGCT TTCCCCAAAT AAAACATTG CCATTAATTAAT
243301 CCCTAAAAAGT TGATCTCTT CAGGATATCT TGTTGTTCTT TTCCATTAAAG
243351 GTTTATTATT ATTATTATTAA TTATTATTTT AGAAATTAAAC TTTTGCCATG
243401 ACCAGCCTT TTGAGTTTG ACTGCAAGCA ACAACAGTCA AAACCTAAC
243451 TCCTCGTAAAGGAGGACAG GTTTATGGCT TAATTTACTA CAGAGTTCCA
243501 CAAACAAACAT TAAAGAAAAA TGACTGATT AATTAAAAAC TGGGCAATTA
243551 ACCTCTGTG CGCTAAATA GAGGGCTTTC TGAGGGCTTT CCACAGAAGC
243601 GTGCTTCAT CTGTGAGGCA GCGGCCTCAG AGAATCTTAA TAGATCAGTG
243651 AAGCTGGATT GAAGTGGAAA GCTCACCTTA AAAAGAAATC TAAGGAGATT
243701 AAGAGGGGGA TGAACATCAA AAATGACTCT GATTAAGCCA AGATAAAAGA
243751 TGCTAGAATC TGAAAGGGAG AAACAGCATA CACAGAATAT ATTTTTAAAA
243801 CCACGGGCAC AAAGATTTG GTGGGTTTG GAGATAAGGG GGACTGACAT
243851 TTTGAGAACG GTTGATAAAA AGCTTTTCAG CACAAATGTT CATTTCACT
243901 GGGGGCTGAG CACAAAAATC CATGGACAAA ATTGAAATTC TACATGCTAA
243951 GAGAAGACTA AAAGATTTAC TGGCACAGAT TCAATTAAGT GGCTTAAAAA
244001 ATGTACCATC TCCTTCAGGA TTCATTAGG TGCCCTGCCTC ATAACCTGCAC
244051 AATTCCCAA ACGTTGCTTG CTAATGTGTC AGGAGGGATG ATTCCTGCAG
244101 GAGGAGCAGG GAGTCTTCAT CATAGGACCT TGAATCAGGG CTCAGCAGGT
244151 GTAAGAGGCC CCTGGCATGG GGCAGCCCCCT GCCAATTCCCT CCTTTGCGG
244201 GGGCTGCTG CCACCTCGAT CAGGAGGTTA GGTGCCCCACT GGGAGTACAC
244251 TCAGAGTCCC CTCTGAAGTT TCAGGGCTTG AGACAGCAGG CTTTACTTGT
244301 GACCACCACC ACCCCCCCCC ACACCCCCAA CAGAACCGGG CTTTAGTTGT
244351 TACAAGCAAG TCTGGAGACC TGGACTTTCA GAAACAGAGC CTAGCTCAAG
244401 ATGCACTTTG AACATGTCCTT TTGCTGAGCA GTGTTGGAAA CTGTTGACCC
244451 CATGGGCACT CTTGGTTCCA TATTTCTGAG TTGTCATCG CCTGCTGATG
244501 CTGGAATGTC AGGCGTGTCC TGCCCTAGCC AGGCTGCCCT GTTCAGTGAG
244551 AAGGAATTA TTTAAAGATC TGTCCCCAGC AGCACATTCA GGGCCCAGAG
244601 GTGGGCTAA GCATCTACGG GAAGGCTGGT GAGTTATTGC AAAGTGGCAA
244651 GTGTTAATTG AGTGCCTCT GAGCCGCCGT CTATGAATTA ACCCAGCCAT
244701 TAGAACACTA GAGTTAGCTC AGTGTGAGGC CAGCTCAGCG GTGAGAGGGC
244751 CTGACAAAG CTGTTAAGGG TGATGGAAAG ACAGGGGTGG GCAGGGTGTG
244801 GGCAGCCCTC ATTTAGACA ACCCTTGGGA TGTGAAATTG CAGCTGACC
244851 AAGGTAGTAA GCAGGAGTTT GGTCCCTGTG GTCCACGGCC TGCCAGCTCT
244901 GAGATGCCCT CAGCCCAGGT TTCATCCTGG CTGTATTGCC AAGTACACTG
244951 GCTGGAGGTT CAGGAGCAGC CTTGTTGGCC TCCCACGTGG ATGCTAAATG
245001 TTATTTTAA GGCAAGAGCA AGGAAAGTGA AATGAAAAGG CACTTAATAT
245051 AGTTAGACCT ACATTGCGGG TGGCCATTCA AATTCAAGGGC TGGACGGAGT
245101 ACTTCAGGCT GCGGTGGTCA GGGAAAGACCT TCCCTGTTAGT GACCAAGCTT
245151 GGGGAAGGC GTGATTGTGA CAAGTAGAAG AAGAAAAGTC ATTAAGGGTG
245201 GGAATTCCA GAGTTGCTGG GGGAAAACAA GGATTGAGGG GGCTACCGTA
245251 AATGACTCCC CCATAACCTG ATATCCCCCA AAGGAAAAGC AGTACTAGAG
245301 CTGAGGGCCT CCTGGAACAC CCCCACTCAT GGAAATGTGG GCAGCTCTG
245351 TGGGCACTTG GTACCTGTG CTGCTGCCCT CCACCCACATG CTTAACCATG
245401 AGGTAATTG TACACCTGGT TTTGTTGTA TGTTTTTTT CTCTGTGAAG
245451 TATGCAGATT ATTCAAAAAG AGAAAATAAA GAAGGGTAAT TATTTTCTT
245501 TAAGAATGAC AGCGCAGTCA TAAAACCCCA AATGGAGGTA AAAAGGGAAAG
245551 AAGTTAGGAG AGAGAGAAAAT CAATAAAACCA GAAGAGGTTT AAAATAAGAG
245601 CTCTAAAGGG CTGACAGCTA TAGGAGACAG GAGAGGAGGA ATTAGCCTGG
245651 AATTAAATC TCAGATATTA AACTTAAGAT GAAATAGAAA AGAAAGAAAG

245701 AAAAAATGA ATTTAAAAT GAGTGATTAA AAAAGGAGAT AGGTTAAAGG
245751 CATACTAATT GATGAGTAA AATAAAAGTA TGAGATGATG CTTTTAAAAT
245801 AGAAATTAAC TAGGATCTAG AAATGGCTGC TGAGACTATG GGAAGGAGTT
245851 CCCGGAGAGC AGGGGCCAGG CCTGGAAGCA CCTCCTGTGC TCAGCCTCGC
245901 CCTTGTGTTTC TTTTGCCTGC TCTGGACAGG GAGCATTTC CAGTCTCCAT
245951 GGGCAAGGGC TGCCCTCCA TGTGCACAGGCACACAGCAG GCCCAGAGGC
246001 CTCAGCCCCC AGACCTATCA GAGAAATCCT GAACGCATAG ACAGGGAGCC
246051 CCACAGACGC ACTGAGAAAG CGCTCAGGCT ACGTGCTGGG TGAGTAAAAA
246101 CTTATCAAAA AACGCAAGTG AACAAAGGCT CCTCCTGCC TCTTTGGG
246151 GGAGTACTG GTTCCACTG CAAATCTTC AAACACTGGT TCTCAACTCT
246201 TTCAGATCCA GTGCCGACTT TTTAGAACAA ATATTTAATA ACACCCCATG
246251 TATTGCCCTG AAACGAAAT TATAGACAAT GTAATCCACT TCCACACTTA
246301 ATTCACAAT ATGATGTCT AATTAAAATA TAAATGAGAA ATACAAAGGA
246351 AGTAATTTGT AGTAAAATAT TACATATTC AATATGCAAG ACCACAGTGG
246401 ATTCTATAAT GATGTAGCCA GATGCTGGCA TGAAGGCAGC CTCTACAAAT
246451 ACAACTGATA CAGGTTATG GAATTGGCAA CTCATATGCC ACAACACTGT
246501 GTGCCATTG GCAACGAGAT AATGATGAAC AACTGTTGAT AAAGTTCTGA
246551 ACAAAATAAT GTGTACTCAT TCCTGGTTT TTATAGTAGT TGTATCCCAG
246601 AGAAATTCCA AGTATATTAA GCCATGCACA AAATACTTTG TATTCTATGGA
246651 TAACTAGAGT TAGGTTCTAG GCTCAAATAA TTATAAATAT GTTTCAACT
246701 ACGTGAATAT CCAATGGAT ATCCAAAAAA TGGGGGCATG TGACAATGTA
246751 TTGTTGTGAA GGACTGTCTT ATACAATGCA AAATGCTGG TATCCCTGGT
246801 CCTTGCTCAC TCAACTAA CAGCAACCCC ATCCCCACCT CAATCATTGA
246851 GACTGCTGAA AATGCCAG TGATTGCCAA AAAAACACT ACAAGGCAGT
246901 TCTGCCAAC TTAGAACAC TGTCTTAGAG GGAGAAACTT GTCAGGACTA
246951 GAAGGCATT GACACCTCCT TTGGGTTCC TCATGGCTAT ACATTCCCAG
247001 TCTCAAAATT TTTAGGGAAA TTTTTGGGTT AAAAAGGGAC ATTTGGAAGC
247051 AAGAGCAGAA GACTCTGAAA GAGATACCTA TGCCTTTGG CCAAGATGTG
247101 CTGGTCTGAT GCTCCAGGGA GCCCTGAGAT CCTTGGGCAG ATAAGGATGA
247151 AAAGAGGAAA GATTGGAGCT CAGGCAGAGC AAGAGAGGGC CTGCTGCTGT
247201 TGTAGAAGAA ACTGCAGATG ACAGAAAAGGG TGCTTCTCAA TTGATAGTA
247251 AATAACTATA AAGGATTATC GCAGTCAACCG GCGAAATCTC AAGATAACAT
247301 ACAAAAGGGC AGAGGTAAGG GTCTCCACT CCCAGGATGG TTTTCATCCA
247351 GAGACAATAC CAAGTCATA GAAAGCTCTG GAAAGAAGCC AGCACTGCAG
247401 GGTCCAATG CGACCCCTCC TTGAAAAGTT TATTAGAGCG AGAAGAGGTC
247451 GGGAAATCATG TTCAGACT GCTCTCGGCT TCAAGGGCTC AGAAAAAGTT
247501 AATCTGATGT TCTCCTGACT CTGGGTCAATT TAATCATT CTAAAATGGG
247551 TTCTTGCTC AGAGCAGAAT TTGAGGTTT GTAAACTCCA AGAAGAGAAA
247601 AAAAGGTCT ACACAATTGT GTTATTGTGA TTGAAACAGTT TTATTCTCAA
247651 AGATTTAATT TCCCAAAATT TGCTTTAGGA ATACACGGTA AATGCAACAC
247701 ACGGTAAGAT GGCAATTAAAG CTCCCTGCGT TAGGGAGTAT CACTCACGGT
247751 GATAATTGGG AAACATGACA GAGAATGGGA CGCGCCATCT CAGAAGAGAC
247801 GAAGAGGCTT TTCAATTACT CTGGAACCTT ATTATTATT TTTGAAGGGT
247851 AATGCATTGC CGCTCTTAAC TGTCTGAAAT TAAAGTGGAC GTTAAAAACA
247901 TAGCCTTCT ATGAGCTTAT TTTTATTTT ACTGAGCATA ATTGGACAAT
247951 ATAAAAAGTT TACTTTTAA ATGTGTCATC TCTTGTTC TTAAAATGTT
248001 AATCACATCA ATAGGAACCT TGCTGGTGGAG ATTATTATTGC TTTGTCTAGG
248051 TTCCCTTCC AGCCTATCAA ACTTGGTAA TTAAAGGATT GTTCACAAAT
248101 AATGAAAGCT GACTTGGTGC AAAAAGGAAAT AAAAAGGAAAT AATTATTGCC
248151 TGAAAACAAA CTCTAAGAGA CACTATAGTG ATGTTTATGT TTTTAACCT
248201 AAGATTGAA GCAGGAATAT TTTCAGACTT AGATTCTGCA AAATGATCAT
248251 TGGACCAGAA CACATTTCA TGTGTTAAGG TCAGATCTTA GAGCCAGCTT
248301 TGAATTCAAC AGTGGGTTCT TTCTTCTCA TCATCAAATG GGCTTTAAA
248351 GGTCAAGGAA CAGCGAGGTG CTGGTGGGAG GAAAATGCC AGAATTCTC
248401 TTCTCTATTG TGAGTAAACG TTGAGAAGAT TGACTTGGG GTGTACTTTA
248451 TAGGTACCCG ATTGGGGACG AAGAGGAGAG GGACAGGGTG TGTTCCCATG
248501 AAGGCCAG CCCTGCAGGG AAGGGAGGCC ACGCTGAGGG TCCACTGTTA
248551 GGGCTGTTG ATTCCCTGGGC AGCACTTCAG GAAATCTGTT CTCTTGGAAC
248601 CCACCTATGG GTTTACAAA GCAGAGAGCC TTGAGGCAGG CTGGAGCTCA
248651 GAATACTGGC TCCCTGGTCT GCCAGGGCAG TCTCAGCAGC ACGGGGAGTC
248701 AGGTAGAGGC CTTCCACAC CTGCCCTGGC CTCCCTGGCT CCCCCGGGAAA
248751 GCTCCCGTGA GGGACAACAG AGGCCATCAC CAGCAGCAGA ACGGGTAGGA
248801 AAAGGGGCTC AGAGAAGAGT TTCAATTAAAG CCAAAGAAGA GTAAAGGAAA

248851 TGCTTTAAA AGCTGAATGA GGGTGGGCA GATGTGGGC CTTTCATTAA
248901 TTCAAGTGT A CTCTAAATCT TTAAGAAGCA AGACACTAAT ATTACTGCCA
248951 ACAATAAGTG GCTAAATTCA GTGAATTGG ACAAAGGCAT CACACCCATG
249001 TAACTACTAT GCCAATCAAG ATACAGACCA TTGCTGTAT CCCCAGAACT
249051 TTCCCTCCCGG TGCTTCTTA GTCAGTCCCC CCATCACTGC CCTGCCAAGG
249101 GCCATTGCTG ATCTGATTG TAATATGATA AGTTCGTTG CCTATTCTAA
249151 AACTTCTGT AAGTACTCTT TTGTGTCTGG CCTCATTTCC TTGGCTGAAT
249201 ATTTTGAAA TTCATCACCT TTATTCTATCA GTCTCCCATA GTCAGTCAGT
249251 CTTCACATAT CCACAGGAAT TCACACTGCG AATAAACCG GAAAATGATA
249301 GATACAGTCC CTGCCTTCTT GGAGTTACT ATGCGCCTT TGACGCAGCT
249351 TCTCTACTGC CAGGAATCTG TCCCAGGAA ACTATCACAA TGATACAAAA
249401 AGATGTAGGT GGCAGCATT A CAATATTAG TGAGAAAGGC ACACAGAATG
249451 GCCACCAAAG ATTAAGTCAT TTATAGGAGA AGGGAGGGAC CAAATCCTAT
249501 GCATTGTTAC ACATCACGCT CTAGCTAGAA GAGCGGCCAA TGGCAAAAGA
249551 AATGCCAACAA GGTTAAGAGC ACAAAAGTTA GGGTATACAG AAAGACCCC
249601 CCGTGTGAGA ATTTCCACAT GGGTAACCAG ACCTGAATGC TCACTCTGCA
249651 TGTTGGGATC ATCGGAGACT TATTCCTT TTAGTTCTTT CCTTTATATT
249701 CCAGTTGTC TTCAGGGAGT ATGTGCTGTT TTGCAATCGG GAAATAGCAT
249751 TTTACTTAAA AGAAGTGGGA GGCTGAGGCG GGTGATTACAC TTGTTTGAGA
249801 CCAGCCTGGC CAACCTGGT AAACCCCATC TCTAATAAAA ATACAGAAAT
249851 TAGCTGGGTG TGGTGGCGGG CGCCTGTAAT CCCAGCTACT CAGGAGGCTG
249901 AGGCATGAGA ATCGCTTGA TCCGGGAGGC AGAGGTTGCA GTGAACGTAG
249951 ATCGGCCAC TGCACCTCAT CCAGCCTGGG CGACAGAGT AGACTCCGCC
250001 TCAAAAAAAA AAAAAAAA AAAAGAAATA GAACCCCTGGC TGGGATGGGC
250051 CCCATCGTGC AAGCGAACAC AAGGTATCAG CAGCACGGGC TTCAGGGCCT
250101 GGGGAGGACA GCACCTGGCA TAGCCAGCCC AGGCCCCCTC GCCCTCCCTG
250151 CTGGGGGCTG CCTTTGCTC CAGAGTCCTG CCCCTGCTGC TTGATTCACT
250201 GGGAGAACAA CACGTAAGGC CGTCATTCTC CTAATCAGCC TTCCCAAGGTT
250251 GATGCTGGGA GCTGACGGGC TGAATTGGCC AGTGTGTTCG TCAGGATGCT
250301 GCTTCCTCCT CCCCCAAAGAT AGTTATAGCC AATTTCCTGA AACTATGAGT
250351 ATGTCCTCCT ACATGGCACA GGGACTTTGC AGGTGAAGTT AAGGCTCTAG
250401 ACCCAGGGGA GTTTATCCTG GATTATCCGA GAGGGCTCCA TGTAATCATA
250451 AGGTTCTGC TATGTGAATG GGGTCAGTC AGAGGAAATT TGAGGATGCT
250501 GCGCTGAAAT GAGTCAGGGC AGGTGGCATC CTACAGCAGA CAAGGACAAG
250551 CTGAGCAGAT AGCAGGGC CCTGGGTCCA CTGCACACTT TGCCAGGCTG
250601 AGCTGACCAC AGACTGGCTA GCATGGCTGG AGTTCTATGC CCAGCCCAAG
250651 CCGACTGGTC CTCCTGAGTG GGCACCAAGA CTGACTGTGC TGCCTCTGCC
250701 CAGACTCAGC TAGAACAGGA GTGGGCTGAG AAGCTGGGGG CGGCAGAGGC
250751 CTCTGGAAAGG CCCCAGGTGT TTTGTGGCCC TAGCACACTT CTCCCTTGGG
250801 GACCTCAGCA TGGGTGTCTC CGAGCCAAG TCAACTACTT TGGCCTCATT
250851 TTAGGGGTG TGGGGGTG TAGGGAGAGA GGGCAGAAGG AGTAAATCTT
250901 AAGAAATGAG GTAGGCAAGA AACCTGGGTG TGCAAGAGCCT GCAGAAGCCA
250951 ATGAAGCAAT GAAAGGGCCC TGTAGGTTTG GAAGCAAATG GCCGTTCTCA
251001 CGGTTAAGTT ACTTGGGAAG AATTCCATT TGCTTTACAA GGGATGATGT
251051 CAGCTTAAG CCTTAGCTGA AATCAGCCCC TTCTAAACTG TAAACAGACA
251101 TTGATAGGCC AAACACAAC AGAAATTGGC TCCCTGGCTC CCAATCCCTG
251151 TCCCTTTTT CCTTACTGCCC AGTTTGTGTT TTGTATGAAT ATCTATCAGC
251201 ATCTCCTGTG AGCCAGGCTG AAGATGCAGC TAGAGAGAGG AGCTTCTGCC
251251 TTGGGGCAG AAGAGAGGGAGA AGAAAGTGAAG GGAAGTGCCT CCAGTCTGGA
251301 GGAGGAGACA GAGAGGCCAA CGGGGAGTTC TCCTAGGGC AGGGCAGGGC
251351 ACAGGGACAG CACAAACAGG AGGGGACTG AGACTCTGCC AAAGGATCAG
251401 AGTTGCTCTT CCAAGGCCAG CTGAGGGTGA TCACACCAA TCTCAAACAT
251451 GCTGCTCTTC CTGTCCTACT TGCCAGGGAT CTGATCTAGC CACACTGACC
251501 AGCAGGCTAT ATTGGTCCCT GCCCCGGGTC TGTCAGGGC TTTGCAGTCC
251551 GCCCAGCTC CACACTTGTG CCCAATGGAC TTCTCAGACT CCAGAGTTAC
251601 TGCAACCTT AGTTGGGTGC TGGGCCCTAC TCTGGCCCTG GACTGTAAAA
251651 CCAACCTGAA ATGGAAAAGT GGGTGGCATG GCCCTTTACC AGCTCAGCCT
251701 CCAGCACAGG CTCTCCTGA TGGGCAGGGAGA AGGGGCTGTG TGATGTGGCC
251751 TAGGGCCTCG TTTGCATGCC CAGCATGTC CCCATAAAAG TCCTGCAGGA
251801 AGCTGTGAGG GGTCCCCCTGC CAAAAAGACT GCGTGGGCCT GAGGGATCCC
251851 TGCGAGGCAG GCCAGGAGGC AGCCATGCTT CACACCACAC AGGTGGGTCT
251901 TTCATGCTT TTTCCCTT AAGTTCTAG TCTTGTGGCA ACCCTGCAGT
251951 TGACACTTAC AAAGTGGTTT CTGCTCACTT GTCACTACCA TATACTTACT

252001 CATCAACGGG CTCTCTGGTA ACCAGTCCCA TCTGAAGAAA
252051 GCTGAGAGGT TTCTCTGAAAC ATGCTGCAGG GGCGTCTACC TGTCCTCTC
252101 AGCCTGGCCT CTCCCCAGGG GAGGTGGCTG GACCTTGGGT CTAAAACTTG
252151 GCCCTGGCCA TCAAAACTCT CCATGACATA CTTCTTCCTC TCAAATTCCC
252201 CCTCTTCCAGTA CCTCTTCCCTA GAGTCCCTCC CAGACTTCAT CTCTAAATCC
252251 AGGGTCAGTG GCATATCCAG GTAGAGATCA GTGGACTACC TGGGCATGCC
252301 CAAATTGTC TTGGCGCCCA CAAGGCATGA GCCCATGAAT GAAGGGGCTG
252351 ATTGGTGATG ACAGTGGGTG CCCCCAGGGCT TAGCACACAG TGGGCACACA
252401 GTATGTGTT GTGATTGAAT CTATGCCAAA TAAGAATTAT TTCGTAGTGT
252451 ACATAGCTGT CTGCATGAAA AGACTATGTT TTCATGATCA GGACTTCTTA
252501 CAGCACAGCC CCCCTAGCCC TTGGCTGTGG GGGAGGTTG GGCAGCAGTT
252551 ATAACCTGGCC TCCAGGACCC AGAAGGCCCC CTGGGACCCA GGCCCCCAAG
252601 CCTCTGTAAG AGGCCTTGAG CCTCTTCCCTC TAAAGATA AAACACTAGC
252651 CATGCGAGGA TTTCCTGAGA TGCCTGGACA TCGGTCCCTCA CTAAGAGTCA
252701 GACAGTTCTC GATCCATCTT CCCATGGGC CAGGGCACAG CCATGGGTGT
252751 TGGTTCAAG GAGTTCTCA GGAGTGTGAA GGGGAGGCAC GACCAGCACA
252801 AAAACAGAAAT TCTGAGTCG AAATAAAGGA TTAGAAACCC CTTCTGGCC
252851 ATTAAAAACCT AAATAACTAG AAGATTTGTT TCCTACTTTT TTTTAAACAA
252901 AAAACTAGGCA TTGTTGTGTT GTGTTTGTGTT CTTTTTGTGTT TTGTTTGTGTT
252951 GTTTGTTTTT GAGACAGAGT TTCACTCTGT CGCCCAAGGCT GGAGTGCAGT
253001 GGCACGATCT CGACTCACCA CAACCTCCGC CTCCCAGGTT CAAGCAATT
253051 TCCTGCCTCA GCCTCCTGAG TAGCTGGAC TATAGGCATG CGCCACCACA
253101 CCCAGCTAAT TTTTGATTT TTAGTAGAGA TGGGGTTTCA CCATGTTGGC
253151 CAGGATGGTC TCGGTCTCTT GACCTCATGA TCCACCCGCC TTGGCCTCCC
253201 AAAGTGTGTT GATTACCGCC GTGAGCCACC ATGCCAGGCC CAAAACCTAGA
253251 CATTGTTAAT GCTAGTCCTA AGTTCTGCT AGAGCTTAGT GTGTCTCTG
253301 AACCCAAAGA AACATTCACT AGTATTCAT TTAGCTTCAT GCTAAGTGT
253351 ATTGTTTTTC AAAACTTGGG AAGCTGTCTG GGAAATAGCTG AGGAGAGCAC
253401 TCAAGTGTCT AGAGCACTGC CTTCCCTCAGC CAGGCTGCAC AGACGCTAG
253451 CACAGGTGGC TGGCACCTGT GAATATGTAT TCTGCATTTC CAGTAGCACC
253501 TGTCAGGATG CTACGCCCT TTTAACATGC AACTACATA CCAACAACTG
253551 CTTAGGGCTG ATAAAATCTG CCCTTAGGAG TTCAGCATCA ACCACAGCCA
253601 GAGACCGCTG CTGACAGCAG GGCTTCTCTG ACTCAATTAG CAGTAGACAG
253651 AGCCCCACAT CAGCATGACA GGAGCCAGCA GGACACAGAGC AGGCCTAGGC
253701 CCAGGCCAGC ACGGCAGTGA CATTCCCTCAT CCCACACATG CATGTACATT
253751 ACTGTCATCA CTTGGGTGCA ATCAGTCTCA CTTCTGGTG GAAAGATGGT
253801 GCTCCGGGG CTGCAGGTGT GATGTAGGTG ACCTGAGATC TGCATGGCA
253851 CAGCTGTGGC CTTTGAATTA TAAGATTGTC TCAAGGCCAT CAGCTAGAGG
253901 ACTGGTGTG TGCCCTTAGT TATACCACTA TCTATGGATT GGTCTCATGG
253951 ATTCCCTGCC CAGTCCCCCG CCCTTGGCCC ACTCTCTGAG GCCACAGGAG
254001 GGATGAGTTC AAACTCTGTT CACAAGGAGC TTACGTGGTC TCATTGAGGA
254051 AGTAAAAGGA ACTGCCAGTT ACTGCTGGGT GTGGATTTCAC TTTACTTCCT
254101 CAGTGAGACC TGGGCCTGGG CCACCAAGGC TCTCCAGGAT GTCTCTGCA
254151 TGTCAAAACT TCAATGCACA CTCAACCACG AGGGCTGAGC TGGAGGAGCT
254201 TCCAGGCCCTA CCCAGTCATC TCCATCCATC TTTGAAAACA TTCATGGAAC
254251 CCCTTTAGA ACCAGCTGAT CACATCCCCA TTTCAGCAAT AGGGATTGTG
254301 CGCTCCTCTG TCGCAGGGCC AAATGGCGCT GGCTCATGCG TGTGTCTT
254351 TAGCCCCCTG TCTCTTCCA CCCTGGTAAG GCCTTAAGGG CTTCCACCT
254401 GGTCCGTAGC ATCATCAACT CCCTGTGCTT TTTTTTCTT TTTGGGGCT
254451 ATCTCTCCAT CCTTATAATA GTCCTGTATA ATAGGGGTCA GTTTACAGAT
254501 GCACAAACTA AGGTTCTGGG AGGATAAGTG ACCTCTCTGA GGCCACGTAG
254551 CAGGAGCAGA ATTAAGACCG GATGCAGCTC CTGACCCCTGC GGCCAGTGCA
254601 GAATAGCTGC AGGGGGCTGT TTTCAAAAGC CCACCCCTG ACCTCTGCC
254651 CAGTCTCAGT AACTCTGGCC TGCCTGTCT CAGCAGGGAA GAGCCAAGCA
254701 GGATGAGCAC TGCCCCCGCA TGTCCAGAAC GCTGTCCAGC ACGCTCAGGG
254751 CTCCCTGCCGC TGCTCAAAGA ACTGGCCTCT GGGAAAGTGCC ACTGCAACCC
254801 AGAGGCCCGT GGTGAACAAA GCCCCGCAGG CAGCATGCCT CCTTCCTGCT
254851 TCTGGGGTTG TTATTTCAGA TGGCAACTGT GTGTGTGCGC TAGTGTACAG
254901 TTATTTTGT CTTGGCCTT ATGGCCTCTG CTATAACACT GTCAGGTGGC
254951 AACTTTTAA GAAAAACTTC TAGAAAATGT TGATCCAAT TGTATGACTC
255001 TGGTGTCCC ACCCCCCACCT CACCTAGCTC TGTCCTCAT TTTCTACAAAC
255051 ATTCCCTCAT TTTCACTCCT AGTTATTCC ATCTGAGAAA TGGTGGCCCA
255101 CACACTCTCC TGCCAAACTC CAGGGGAGGG CAGGAGGAAC GCCTGGGGCC

255151 TCTTTGGGG GTGTGGAAGG GACCCCTCGC ACGCCCCITC AGACCGGGGA
255201 GCAGTCTGGC TCCAGCCCAC ATGCAGACCT TTGCTTCCTC CTCTGCAGAG
255251 GGGTTATTTG TTCATCACCA AAAATTAGGT AGGAGAGAAA AGAAGCCATT
255301 CAAGAAAAGA ACTTTTCACA GTGCATTCC TGGCTTGGCT GTGAATGGCA
255351 TTTGTAAGGC CCAATTACAT AAACACGGAG CTAACCAAAA TGCTATCTGT
255401 CTTTATTGAA GGGGTGGAGG AGCAGGAGGG TGTTTATTTG TAAAGGGGGT
255451 AGGGGAAGTG TGAAAAGAG AGCTAAATT TCATCTTTAT ACTGGGAAGT
255501 TAATAGATGC CAAATGCACA AGTAGGATAT TTTAAGGTAA ATTCCAAAAG
255551 AACCAAACAA ATGGGCTGGA AGGGGAGAGA AATGGGAAGA AGAGGACAGA
255601 TCTGCTGTT TCCATTTAAA AACCTTAAAT ATTATTGGA CTGTAATTAA
255651 TGGGCTTATG TATCTTTGAT TAAAATATAA TTTTAAAGA GTGTTAAAAA
255701 TATTAAAGC AATAAGCTAT TCGCAATAGC AAAAACATGG AATCAACCCA
255751 GGTGCCCATT AACAGTGAAT TGGATTTTT AAAAATGTGG TACATACACA
255801 CCATGGAATA CTACGCAGCC ATAAAAAAGA AGGAGTTCCCT GTCATTGCA
255851 ACAACATGGA TGCAGCTGGA GGTCAATTATC CTAAGTGAAC TAACGCAGAA
255901 ATAGAAAACC AAATATCACA TATTCTCACT TATAAGTAGG AGCTAAACAT
255951 TGGGTACATG TGGACATAAA GATGGGAACA GTATTTGAGA CCGGCCTGGG
256001 CAACATGGTA AAATCTGGTC TCTACAAAAA TTGTAAGGAAAT TAGCTATGCA
256051 TGGTGGCATG TCCCTGTAGT ACCAGCTACT TGGGGGGCTG AGGTGGGAAG
256101 ATCACTTGAG CCCAGGAGGT TGAGGTTGCT GTGAGCCAAG ATCACACCC
256151 TACACTCTAG TCTGGGTGAC AAAGCGAGAA CTGTCCTCAA AGAAAACCAT
256201 ATATATATAT GTGTATATAT ATGTGTGTGT ATATATATAT ATGTGTATAT
256251 ATATGTGTGT GTATATATAT GTGTATATAT ATATGTGTAT GTATATATAT
256301 GTGTGTATAT ATATGTGTGT GTATATATAT ATGTGTGTAT ATATATATAT
256351 GTGTGTATAT ATATATGTGT GTGAGAACAA AAGACGTGGG GACTAATGGG
256401 TAGGGTGGC ACTGAGCAAG GGTGAAAAAC TACCTGTTGG GTACTATGCT
256451 CACTCCAAG GTGACGGATT TGGTCATATT TAAACCCCCA GCATCACACA
256501 GTATACCTTT GTAACATCCC TGCATATGTA CCCCCCAATT CTAAAAAATT
256551 GAGAACAAACA AAAAAGCA AAATAAAATA TTAAAGCAA TAAGAAATTG
256601 TGACAGATCT AAATACTCTT CAAAAATAAA AAAAAGAGC CATACTAGAC
256651 TTATAGAAA AATTAATTG CTATTAAATT AAAAATTCAA AATATAAGGC
256701 CAGGTGCAGT GGCTTACACC TGTAATCTCA GCACTTTGGG AGTCCAAGGT
256751 GGGTGGATCA CTCGAGATCA GGAGTTGAG ACCAGCCTGA CCAACATGGC
256801 AAAACCCAT CTCTACTAAA AAAAAAACTT CTAGCTGGG AAGGTAGTGC
256851 ATGCCCTGTAG GCCCAGCTAC TAGGGAGGCT GAGGCAGGAG AATTGCTGA
256901 ACCCAGGAGG TGAAGGTTGC AGTGAGCTGA GATTATGCCA CTGCACTCCA
256951 GCCTGGGAGA CACAGCAAGA CTCCGTCTCA AAAAAAAATA AAAATTAAAA
257001 ATATAGATTA GGCAGCTGAA GAGAGAATTA AAAATTGGA AGACAGCTGA
257051 AGAAATAGCC TAGAATATAG CATAGAGAGA AAAAGAAAAG GAAAACATAA
257101 AACAGCAGCT AAGATATGGG TGACAATGAC AAGAACCCAT ATACATCTAA
257151 TAGGAGTTAT AGAAGGTGAA AATAGCAAGA ATGAAAAAGT AATGTTGAA
257201 GAGATAATGG CTGGGAATT TCCAGAATTG AAAAATACTT TCATCTTCAG
257251 ATTGAGAAAAG TATAATAAGT TCCAGCAAA ATTATAAAAG TGATTCAAGA
257301 CTTAATGGTA AAATTGAGA ATGTCAAACA TAATGAGAAA AACTAAAAG
257351 CAACCAGAGA TAAAAGACAT TACCTACAAA GGGACAATTA TATAGACAGA
257401 AAAAACACAC AACAGATGCC AGAACACAAAT GGAATAATAT TAGAAGCTAC
257451 GAGAAGGGCT CAGGTATAAG GACTGGAAAT GCAGCAAGG GGCAGTGGAG
257501 ACATCTGTGC CGCTTCCCT CTGCTGGCCA AAATAAAAAA ATTTACATAT
257551 GCAGATATTA CTAGTTGCC TCCACTAAC ATCTTCCCAC CTCCTCTTT
257601 AGTAACAAAATCTTGAAGTT ACCTGGACAC ATTGCCATTC AGATAAGAAA
257651 CTACCTTCC CAGCCTTCT TATACTAAG TTAGCCTTCC TACCATGTT
257701 TTTTCAATCA GATGGAGCAG AAGTGTATG TGAAATTCC AGAAAGCCAC
257751 CTTAAGGAAG AGAGGGGATG TCCTCCCTCT TCCCTTCCCTC CCTGTCACTG
257801 CCTGGAAGGA GAATATTTTG GCTAGCTCA TCCGGACCA TGGAGCCAG
257851 GGCCACACCC AGGGGATGCC AGAATGATGA ACTGAGATGA CCCTGGGCT
257901 CTGACAAGTT AATGGAGGAC ACTATGCCAG CTCTGGATCA CCCGCCTCTG
257951 TATTCTTTA CATAAAGACA GCAAAACTTA TCATTTGTTT AATCCATTAT
258001 GTGGATCGTA CCTGTTACAG AAAATTAAAT CTCACTCAT ACCAAAGAGC
258051 TTTTGATTGT AGGAAAAGAAA ACAGGAACCT AAACTTGTAG AGAAAACCTTA
258101 AGAAGGAAGA GAGGGAGTGA AGAACCAAGGG GAGGTAGTCA ACCCTGAGAG
258151 CCTGAGGCTG GAGGGAGAT CTGCCATGC TGTGTGGGCC CTTCGTGCAA
258201 CAGGGGTTC TCATGGGCT GGACACAGAG GGGCAGACTG GGGCCCCAGC
258251 GGGCACAGCA GTGCTGGTCC CCAGAAGGGG TTGTCCTAG TGCCCTCTAAT

258301 AACCATCACT CTTGGTAAGT GTATGACACT ATCTCCAAGA ACAGAAAGAA
258351 CATATAGTCC ATCCCATGGG TCTTTACAG TCACATAGCA GCATGACAAA
258401 CAAAGTCCAT CCTATGGGT CTTTACAGTC ACATGGCAGC CTGACAAACA
258451 TAAAGTCCAT CCTATGGGT CTTTACAGTC GCATGGCAGC ATGACAAACA
258501 TAAAGTCCAT CCTATGGGT CTTTACAGTC GCATGGCAGC ATGACAAACA
258551 AAGTCCATCC TATGGGTCT TTACAGTCGC ATGGCAGCAT GACAAACATA
258601 AAGTCCATCC TATGGGTCT TTACAGTCGC ATGGCAGCAT GACAAACAAA
258651 GTCCATCCTA TGGGTCTTT ACAGTCGCAT GGCAGCATGA CAAACATAAAA
258701 GTCCATCCTA TGGGACCTT ACAGTCACAT GGCAGCCTGA CAAACAAAGT
258751 CCATCCTATG GGTCTTTAC AGTCGCATGG CAGCATGACA AACATAAAAGT
258801 CCATCCTATG GGTCTTTAC AGTCACATGG CAGCATGACA AAGTCCATCC
258851 TTTGGTCTT TTACAGTCGC ATGGCAGCAT GACAAACATA AAGTCCATCC
258901 TATGGTCTT TTACAGTCGC ATGGCAGCAT GACAAACATA AAGTCCATCC
258951 TATGGTCTT TTACAGTCAC ATGGCAGCAT GACAAACAAA GTCCATCCTA
259001 TGGGTCTTT ACAGTCGCAT GGCAGCATGA CAAACAAAGT CCATCCTATG
259051 GGTCCTTTAC AGTCGCATGG CAGCATGACA AACATAAAAGT CCATCCTATG
259101 GATCCTTTAC AGTCACATGG CAGCATGACA TTTGGAAAGTA TTCTGCTGTG
259151 CTGGCTGCAC TCTTAGCTC TTTGGTCAG TGAGGTTGTG CCTTGTGGT
259201 CAATGACTTC TGACCGCTG GAAGCTCCTC AGAGAGATGG GGCTACAGGG
259251 AAGAGGACAC ACGGAGACAC ACACACACAC ACACACACAC ACACACACAC
259301 ACACACACAG AGAGAGAGGC TTTCAACAGG GGAGCACCC TGCACTCCAT
259351 CTTTAGCAA TAAAAAGAGT GTTGGTGTG CTCCCCCAG GACTACCCAC
259401 TGCTCATCTC TGGGTTTGTG GGTCTCACAC ATAGGCAGGG GTCCATATCC
259451 CAGCCTCCCC TCTGAAAGA GGACTGAAGT TGTACAAGA TGTGTTTAT
259501 TTATTTAC GAGGACACGG GGTCTGTGTA CTTGAGAGAA CTATTCTGAG
259551 ATCTCACTGA ATACGATTAG AAACCACACA AGCCCTGGTG TCAGGACTCT
259601 AAGTGGCAGT TATTGAAAAG ATGGTGTGTA CTAGCTGTT TTAATTGGCC
259651 TCCATGCAGG AGTACCCCTAG TTCTGCTGGT TCAGGCGGGT AGATTTAAA
259701 CCTGGTCTTA TAAGAGTCG ATTTTCCAGG CAGTTTCTCT GTTCCAGGCT
259751 CCATGCTGGG GACTTTCCGT ACACCATCTC ACTTAATCCT CACAGCTACC
259801 CAGTGTGGCA AGTTCTATTA GTATCCCCAT TTTTCAGATG AGGAAACTGA
259851 GGCACAGGTA AGTAGCCAAC AGTCCCTCCA CAAGGAAGCA GAGGTAGCCG
259901 GCTATGAGTT CTGAGCAGGT GGACTAGAGA GGCACAGGTT GCGAAGTGG
259951 GGACACACAG CTGAGAGTGG CCCACTCCCC CCCAGTCACC TCCGTGAGCA
260001 CTCCCTGCCCT TTCTGCCCT CAGCTCCTGC ACCTGGCCAG ACTTGGGGCC
260051 TCTCACAGGC TTGCAGCCCC TTTCCTCATGG CATCCTGGGA CCCCCACCAA
260101 CCCTCATGGG GTTATGATCT GCTCCTCCCCA GGAGAAATGGG ATGTAGACTC
260151 CCCTCTAGT GGCTGTCTCT ACTGTCTCA TCTCCAAATT CCTTCCCCCT
260201 CTCCCTCCCCA GACAAGTGAC TTGATCTCTC ATTTGGGAGGG AAAACTAGCT
260251 CTGAAATTCC TACACATTCT CCCCCAGTGCC TCTGCTTAGA CTCTAAACTT
260301 TATGGACTCC ATAGCTTAT TCTTGTCTAT GAAAAGCTAA GATTTGCAG
260351 CTTCAGACAT AAATTACCTT TCAAAAGCCT GTTTCTGCA AATCAAAAGC
260401 CTTCATTTTC AGAAAATGGT CTCTGGTATG ATTTCAAGA GCCAAGAGTT
260451 TGATACCTT ATGCTCTGTG CACCATACTT TTCTCTGAGA CCATAACATT
260501 CAGCCTCATG TCTTATTTTA ATGGTGGAAAG AACTTAGGAG AAAAAAAACAA
260551 TTCACTGAAA ATGAAAAAACC ACTGGCCATC ATTCTGAAAT ACTATCCTCA
260601 CCAAACATATG GCTTGGACA AAAACTGGCC TCAGTTCTCT TGTCTTTGA
260651 GTGAGGGGCT GGATATGCTA GTCTCTCAGG TTCTCTGG CTATGATGCA
260701 GGTGCTTAC ACTTTTGGG TCTGTTCTCT CATCTCTAAA GTGGAAACTA
260751 GGTCTATTTA TGGATTAAA TAAATAGAAA TAATGCAGCT ATAACATACC
260801 TGGCTCAGAG TGGGCCATTA ATGAATAGTA AGGGAGGTT TGTTGTTT
260851 TGTTTTATT AATCATTGTC TTATTCAGG TCCCTCTGAG GACTAAGAAA
260901 AGGAAAATAC GTGGTGTCA TCTGACCTCA AGGGATTGAA AGTCAAGGCT
260951 GAGCTCAGTG GCTCATGCCT ATAATCGAG CACTTGGAA ATCCAAGGTG
261001 GGTGGATCAC TTGAGGTCAAG AAATTCGAGA CCAGCCTGGC CAACATGGT
261051 AAACCCCATC TATAACCCCTA TCTATACTAA AAATACAAAA ATTAACCAGG
261101 CATGGTGGCA CACGCCCTGTT GTCCCTGCTA CTCAGGAGGC TGAGGCAGGA
261151 GAATCACTTG AACCCAGGAG GCAGAGGTTG CAGTGAGCTG AGATCACACC
261201 ACTGCACTCC AGCCTGGGCA ACAGAGACTC TGATCAAAA AAGTAAAAT
261251 AAAAAGATT AGAAGTCAAG AGGATTGGT GGGGTCACT GTACGCTGCC
261301 CAGGGAGCAT ACTAAACTGA GCCTGCTGTG TGACACACCT CCCGACAGAG
261351 GGAGTTACA CGCAGCCCCC CCAGGGAAAG AGACAGAGAC CTACACAGCC
261401 ACAGGCAATG CACACCGGTG TCTACTGCCT GCAGTGTCA ACCCATCATG

261451 CACAATGCAG CGGACAAACG GGGATCGTGA GACATTTGA GAAAGCCAAG
261501 AGCACAAAAG GGAAGAACCA ACAGGAAGGA AAAGAGCAAC TGGCTGTGGG
261551 GGATAGGGAA CAAAGGAAA ATTTTAAAT TTTAAATCT AATAAAAAAA
261601 AACCTTAGA GGGACTTGAT AAAACATTTC CATAAAATAA GAACAGGTTG
261651 TTATGAGAAA GGAAAATAGC CCAAGAAGTA TTCTTGGAA ATTAAAAATG
261701 CAGTCACCAA CATTAAACCT TCCATAGAAG GAGCGAAGA ATAAGTCAG
261751 GAAGTATCCC ACAACTTAGA TTAAAAGTCA AAGAAATGGA AAAGGCGAGA
261801 GAGAAACTGA GAAACACAGA TGACTAGCAA TACCAATATC TAACTAATAT
261851 CAACCCAGAA AGAGAGAAC AAGAAACTTA AGAGCAAGAA ATTACCAAAG
261901 GAATAACAGA AGAAAATCC CCAGAGCTGA GCTAAGATAT AGACCTCAA
261951 AAAGAATGAC CCACTGAGAC AGAACAGGG GGGATGAAA AAAGACCCAC
262001 AGTTGTATAG TTGCGTATCC TCTTGATATT TCAGAACATT TAGGATAAAG
262051 AGAAGATTCT CAAAGCTCC AGAGGTAAA GACAAGTTAT CAACAAAGGA
262101 TCAGGAATCA TTGTTGGCAG ATTGGCATTA GCAACACTGG AAGGCAGTGA
262151 GGTAATTGCC TTCACAGTC TTTTATTTT ATTNTTTATT TATTTATTAT
262201 ACTTTAAGTT CTGGGATACG TGTGAGAAC GTGCAGGTT GTTACATACG
262251 TGTACATGTG CCATGGTGGT TTGCTGCACC CATCAACCCA TCATCTAGGT
262301 TTTAAGCCCG GCGTGCATTA GGTATTGTT CTAATGCTCT CCCTCCCCTT
262351 GCCCCCAACC CCCTGACAGG CCGCAGTGT TGATATTCCC CTCCCTCTAT
262401 CCATGTGTT CCATTGTTCA ACTCCCCATT ATGAGTAAGA ACATGTGGTG
262451 TTTGGTTTC TGCTCCTGTG TTAGTTGCT GAGAATGATG GTTTCCGGCT
262501 TCATTGATGT CCCTGCAGAAG GACATGAAC CATTCTTTT AATGGCTGCA
262551 TAGTATTTCAG TGTTGTGTAT GTGCCACATT TCCTTATCC AGTCTACCGT
262601 TGATGGGCAT TTGGATTGGT TCCAAGTCTT TTGTTATCGT AATAGTGGCG
262651 CAATAAACAT ACATGTGCAT GTGTCTTTAT AGTAGAATAG GATTTATAGT
262701 CCTTGGGTA TATAACCCAGT AATGGGATTG CTGGGTCAAA TGGTATTCT
262751 GGTTCCAGAT CCTTGAGGAA TCGCCACACT GTCTTCACA ATGGCTGAAC
262801 TAATTTATAC TCCCACCAAC AGTGTAAAAA CGTTCTTATT TCTTCACATC
262851 CTTTCCAGCA TCTGTTCT GACTTTTAA TGATCGCCAT TCTAACTGGT
262901 GTAAGATGGT ATCTCATTGT GGTTTGATT TGCACTTCTG TGATGGCCAG
262951 TGATGATGAG CTTTTTTCAG TATGTTGTT GGGCGGACTC CTTCTTACA
263001 CCTTGACAA AAATTAATTCA AAGATGGACT AAAGACTTAA ATGTAACACC
263051 TAAAACCGTA AAAACCTAG AAGAAACCT AGGCAATACC ATTCAACGATG
263101 TAGGCATGGG CAAAGACTC ATGACTAAAA CACCAAAAGC ATTACAAACA
263151 AAAGCCAAA TAGACAAATG GGATCTAATT AAACATAAGA GCTTCTGCAC
263201 AGCAAAAGAA ACTATCATCA GAGTGAACAG GCAACCTACG GAATAGGAGA
263251 AAATTTTGC AATCTACCA TCTGACAAAG GGCTAATATC CAGAATCTAC
263301 AAGGAACCTA ACAAATTAA TAATAGAAAA ACAACCCAT CTAAAGGTGG
263351 GCAAAGGATA TGAACAGACA CTTGCCTTCA CATTCTAAG GGCAAACAAAT
263401 TTTGTACCTA GACTTCTATA CCAAATAAAA ACATTTTCAG TATACAAGAA
263451 ATGAGATTTC TTGTATATCT TTCTGATTAA AAAAGTGGGG GCCCTGTAGT
263501 ACCAGCTACT TGGGAGGCTG AGGCAGGAGA ATGGCGTGAA CCCGGGAGGC
263551 GGAGCTTGCAGT GAGTGGAG ATCGTCCAC TGCACTCCAG CCTGGGAGAC
263601 AGAGCGAGAC TCCGTCTCAA AAAAAAAA AAAAAAGTGG GGGCATGGAG
263651 GGTGAGGAGT GTAATCCAGC AAGACAGAAA AGGAACCTAG AAAGAAGAAG
263701 AGCTGGTCCA AGAAACAGAA GAGCTAAGCC AGGTATCCAG TGAAACAAAA
263751 CCCCCGCAGG ACTTGTGGGA CAACTGTGTA AGAAACCTGG GAGAGAATCC
263801 ATTACCGTTA GAACAGAAAG TCAGAAGGTT CTGAAAAGCA AGTCTTCAG
263851 AAGAAAGTTA ATTCCATTGA ACAAAAATAA GATGAAGAAA CTGGAAGACC
263901 TCAGAGATAT GATGAAGAAT ACGTATGTGC TATCCCTCAA TAAATTTTT
263951 AAGGCAGTTA AAAATTCTGG AGAAGCAAA TTGCTAAACC AGAAAGACAT
264001 CATAAAATAT TAAGCAAAC AAAATATGTC ACCTTTTGA GCAATTAAAG
264051 GAAGATGAAG AAAGAGAACCA ATTTAATCTAT GAAGCTTAAA ATAATCTCCT
264101 TCAAACAGCA CAGGTGAGTC ACCTGGCTG ACATCTCCCC TGCGTGAGG
264151 TTCACTGTAT CTTTCTGCCA TGGATGAGGG TTACATCATC AGAATGTGA
264201 TAATGTTCTT TATTCTATT CACTTTTAA GTCAATGAAT AGAAACTTAC
264251 ACTTATTACT TATAGTTACA GAATGTAATG AGGTAAAAAT TAATGTTTA
264301 GACTGTATAA GTAACAGGG AGGATCAGGG ATTGATTTC TTCCATAGTG
264351 AAGGGCAGG AAAGGTGTTT ATTGTCTCA ATTGTATTAT TTGCAGTTT
264401 TGTTTTTAT GGTATGCATA TTTGCTTTT AAAAAATTTC AAGAAAGTGG
264451 TGCCATTATAA AATATCTGAA GGTGTTCAC AGGCTGTCTC AGGCCTATAA
264501 GAATTCACTG CCTTTCTGT TCTGTGCCTT TTACTATATT TTTATTATT
264551 TGCCATTCTT CAAAGATTGC AATTTAAAT TGCTCAATAT ATTTCCTCAG

264601 TTGAAAATAT CAATGTATTT ATGTAATGAA AATGCCAATA TGTGTGTATA
264651 TATCTGGAAT TAGCATAGAA ATGATTAAAG CAGTTCAGCG TTGATCAATA
264701 ATCGTATTTG ATTTGGGATT TTTACTTTGT TTCCCTCGAC CATCCTGTGC
264751 TTTGATATTT ATTACCACCC ACTGAGATTC TGGCCTCAAC TAAATAGAAC
264801 TTGCTTAAGG AAATTCAAAA TCTAGCAATT GAATTCAAGT GGTGTTGCTC
264851 ACAGAATGAC AATCAGAAT TAGGACTTGC AGAGTAAACA GAAACCCAGT
264901 AGATGGGAAC TGCACCCCTG ATAAAATGTC TCTTACTGCC TTGAATACAA
264951 CCAAACATCA CCAAACACCA GCCCCCGGCT ATAAAAAAACT TTTTTCAAT
265001 TATAAGGTCA GAGTCTTCTC TCAACTGCCG TAAGCAGTTT GACCAAAACG
265051 TGTATTCTG ATATGTGTGG TTTTGGAAAGA CCTAAGATTG TCAAGCCCCA
265101 GGGTTCAGAA GGATGCCGCA GTGTTTGAA AAGTCCTCTG TATTCCACGT
265151 TCTGTATGAA GCTGCCAAGT TGCTCAGGTG TTCCCAGGAA CAGAGAGGTG
265201 GCCGTGGGCC AGCCTCCCAG GGAGCCCCAGA TGCTGGCTGC AGGCTGTCTC
265251 CACACCGGTG CTGAGTGTCC AGCCCCAGCA AGGTATGTCT GCTTTCTGTT
265301 GGCAACCGCTA GTGGCCCTAA GGAGACATT CACATCAGAG CTAGCGTCAA
265351 CCCTCCCTCT GTCCCTCCTCA CAGAGGACTC AGAACCTTCT CTCTTCTTCC
265401 AGAGTTGCTA AGGGAATCCG CACCCCTGCTT TACCTCTTGC TAACTGAAAT
265451 AAAAAAGTTT TCCAGGACAA GTGGCCTGAG CCCTTGTGAT GATGCACAAT
265501 AATCACCCGT GCGACAAGAG CATCCTTCAT CTCGATGGGC CGGCAGGGGT
265551 GGTCCCTGGC CTGCTTCTAG GAAGAAGGAA AGGCCTCAAC TCCCACAGTC
265601 ATTAGGACAA TCACAGGCAG GTGGGTTTC TAGAGATGGT GAGAACAGC
265651 TCCCCTTATG GTATAAGGAT CCGTGAGCAA TCAGAAACCA GGGTATTCTG
265701 GGAGATTATT GGAAAGGCAT ACTCTGGTA CCATGGGTT TATGGCTGCC
265751 ATGTGAAAC ACACACAGCG TGAAGGCAA CGACCAAGGG GGTATGCACA
265801 AATCGATGTG GCCTTGTAG GGGTCTGAGA ATCACTGGTC ATTCTTTTT
265851 TCTTTTCCC AAGTTTCTC ATAGTCCCCA TGAAAGGGGA ATGTTAGGG
265901 TTACAATGTT AATTTGCTT TAACTGACAT TTGCCCCGTG TCTGGGGTGT
265951 CTCTGCTCAG CTCACCTGCA GCATCTGATT CAGGCTGGAC GTCCATAGTA
266001 GGCCCTCCAG AAAGACTCAT GGGACACACA GCCCTGGCCA GAGCAGACAG
266051 GCAGAGGCCG ACTCCAAATG TTCCCTCTTC ATCAGGTGTT GGGTAAAAG
266101 CGCTGTGGAT GAGCAGGTG ACAGCTTGCC TCCTCACTGC AGTGTGTAA
266151 GTAGAAGATG AATGGTGTG CTTGTCAGA GATAATTGAC ACAGGATTTT
266201 TCCACTTCCCT TGCTTTGGCA GAGGCACAGT TTGTTTTCT TTGACTCCAA
266251 GCTAAAATTT CCCCTGCCCC TTCTCTGCAA CCTGCCCCCTG GTGCCCTCTA
266301 AGCCCTCCA TGGTGTGAC CAGCCTGACC CCACAGCTTC TCCTCCTTAC
266351 TCTGCCGCCT CTCTCTGCAAG CCACATGGGG GTCCAGCGCC TGTTCCCTC
266401 CTGCCAATGC TGCCATTCCC TGAACCTCAA GCGACACTCAC CACAGACCTT
266451 CAGTCCCCC TTCTGTCAAC AGGAAGGCTC TCCTTCCAGC TCCCTTCCCT
266501 GCCACTCGTC TGCCTGATT CCTGTCATT CCTGGGGCCT CTGTGGACCC
266551 CACCCCTGTG TGGGTCTGTG CGAGTTGCCA GAGCCAGTGA GGAGATGGCT
266601 CTAGCCTCAG AGAAATCACA CAGGAAGCCC TGAGTGCCTG GGAGACAGTG
266651 CTGGAGCAGG TACTAGGCCG GGTGGCAAAG CTACTAGCTC TCTTATAGGC
266701 TGGAGAGGTG GGGTTGACT GTCATACATT GGAGGGCAAG AGCTACATCA
266751 ATAAGATACT GTTAGTGTTC TTGATCATG GATGACAGAA TTAAGTTCA
266801 GAGAGGGTAA GTGACTTACCC AGAGGTACA TAGCTTATAA GTGGCACATT
266851 CAAGGTTGAC ACCTAGGGTT TCCTAAAGGA AGAATTCTTC AAGGTGGCC
266901 TGGCAGGACA TATGGGATAT GGAGAACAG AGAGCGGGGG CTGGAGAGAA
266951 TGGCACAGAG AGGTGACAGG CCCTGGAGTT AGAACAGAGG TGGTGGTAGG
267001 TGGCTGTGCT CCCTGGCAA AAGAGCACCA GACAGAGAGG GGGAAAGGGTT
267051 CCTGTCTGAG AGGTCTCCAC CGGCCTGTCC CTACATCCTCT GCTGCTTCC
267101 TCACATGCAC TCACACAGGG GCTTGGTGGG AATTCTTAGG ACCACGTGCA
267151 AGGGAAATGC CAGGAGAACCG CGTGTCTGG GGTATGAGAG CCAGCCGCTG
267201 AGCCCAACTC ACGTCCGTG GGAAGCCACC TCATGGTTAG GGAGTCACCT
267251 TGACCTTGTC TGAGACCTTA ACTAGTTAAT GTGCATGTGT TTGAATTCT
267301 GCACATATTT TTTATGTTTG AATTCTGCA CACGTTTTT TTTTTTACTT
267351 TCCCCCTAAGT AAAAAAAAAA AAAAAAAAT GTGAGCAGGA ACTCAAACAT
267401 ATTCACTGTTA ACTAGTAAAG TTAATGTGAA CTCTCTCCTG AGCTCTTAGT
267451 TTGGAAGGGGA GGTCTGCTGC GCACAAGTCG TCTAAGGAAC ACTGTCTTAA
267501 GAGCTGGTC TCTCCCTGCT GTGTGATGCG AATGAGAGTG GGCTGGGGC
267551 CCCTGCTGTG GGCAGTGACT TTGGAGCGCC CTCAGGCACC CCGCACCTGG
267601 GCCTTGGGGT GTTTTGAAAG CCTAGCTATG CATCCACTTA CCCTAAAGC
267651 TTTTGACAAT AGAGGGCCAG GCACTGTCTC AGGAGGCTCT CTTCTAGCTG
267701 TCTCGGGGGC AGCCTGCTCA TTTTGTGAG GTTATCTGAG TGAATTATTT

267751 TATTCCTTT TATGTCCTGA GCAAACCCAC ATCCTCATT TATTAGTGT
267801 TTCCAATTA TTGCATAATG ATTTCCAGTT TAGCTTGGTC TGTGATATGA
267851 GGACACTTAA TCAAATATCT GTACGATAGG CCTTTAAGTT CTCTAGGCC
267901 AGAAGTTTC CCATCAATTA AGCTTCAAAG AAATGGGTT TAGGCTCATC
267951 TGCAACTGTG TTTTGTGTT TCTTTATGG CCTTCCTGCC TTCTCCCTGG
268001 GGCTTAGAG ATACCAGGAA ATGTGACGTG GGACTAAGGT ATTTATTAGT
268051 GGGTGTGCAG AGAATGGGTT TATAATGGTT ATTACAACAT TTTGAAGTGG
268101 CTGCCCTGAA GCAGGACAAT TTATGTTTCC ATTACAGTC CTTATGAGC
268151 ACCCACACA CACAGTTCTG CCAGGAGGGG ACATCTACCC TGGATCTGT
268201 GGACTCCCTG GGATCAAACC CCTGGAGGTT TCCTCTGGAG AGAGATTGAC
268251 CCCAGAACCC TTCCACACCCC CCCCACACTCA CCCCATGCCT CAGAGGGATG
268301 AAAATCTGAC CACTAAAAAT CAAAGAGTAT TTCTCTGCCA TCCGGGGTGC
268351 TCCTCCCCCTG GAGCCAGGGC AGGCAAGGTG CCATTCTGGG CCTTGACTCC
268401 TATAGCAATT ACAGGACAGA GGTTATCAGC CCCATTGAC AGATGAGGAA
268451 ATGAGGCCA GGGAGAGAAG CCCTGGGCTT CCAGCAAGCA AGCAAGTGGG
268501 TGCTGCTCTG CTCTGAGACT CCCCATGCCT GGAACACGAG TGTGGGGGAA
268551 AACAGCACCC CACGCCCTCC GGCCTATCCT GTGAGCACTC ATGCAGGGAA
268601 ATAAGAGCAA AAGAGAGAAC TGGGAGGATT CTCAAAACCAG AGTGAATCCA
268651 ATCCCCATAC TTTTCACAC TGAGTGGAGC TCCCTTCCCC ATCTCTGAAG
268701 AGGAGAACAG ACCCCAGGTC ATCAAGCCTG GTCTTAGCCA GGGCAGAGC
268751 TCTCAGCTAG AGCACCTCGC ACTTGGATT ATTGTCTATG GTTTCTCTTC
268801 TGCTCTCACC TAGGCAAAGG GGTTGGATT CACTGGAGGA AAGTTCCAGA
268851 GGAAGAAAAA GGGAAAGCCT GTGAGCATGG AGTATTCTT TTCAGTTTAC
268901 CAAGGGCTG TCCTATGCCA GCCTGGACTC AGGGTCAAAG GAAACTTAGA
268951 GGCCATGCAT GTCTCAGTAG AAGCAACTCT GGACAAAGCC ATGTGTTCGT
269001 TCCTTGTGTT ATCTGGCACA TGTTTGTGA GTGCTAGTT TATGCCAGGA
269051 CCCCCATTGG CTCATGTGCA TGGTGGGAGG GACATGTGGA CAAGTAGAGG
269101 AAGCAGAGAT GATCGATGTT CTGAGGGGGT GTCCAGGGCT CTCAGAAATAC
269151 ACAGGAGACT GAACCCAGCC AGGAGTGGTC AGGATAGTGA CATGCAGGAA
269201 AGCCACGTGC CAGCTAAGAC CCAAAGCCCT CCACCCCTCC CTCCCTGAGA
269251 GCAGGCCCTGT GCCCAGTTGC CAGAGGTGTC CTATCCTGC TCCCTATTCA
269301 GGGTTGCACT ACCATGATAG GGCAAAGCAG TCATCATTCC ATCAGTGACC
269351 ACGTGTCTTG AGCAGATGCT GCAAGCCAGC CCTCTGCACA GCCCCACCGA
269401 TCTGAAGAGG CTTGAAAAGG GGCAGGGGCA AGATTCTAGC TGTGGTGTG
269451 TAGCCCCAAG GTGATGGTAG GCATGTTAA GGAACGTGAGG TGGCGCAGGG
269501 TCGCCAGAAC GGGTGTGTA GTGGGGAAAGG ATGAGGCTGG AGACATAACA
269551 GGGCAAGTCA GGGAGGGCGC TGCCCTGGCTC CAGCCCGAAG GCAGTGGGAG
269601 CCCCCATAAG ATCCCTCCAG CTACTGAGTG GGGGAGGATT GGTGGGGACA
269651 TGATCGGAGG CATAGTGGTC ATCCGGGGGT GTTAATGGCT TCCTGAACTA
269701 CAGCAGAGGT GGTAGGAGTG GTGGGAAACT GGCAACCTAA GAGACACAGT
269751 GGTAGAAATG ACCTGAGCCA GGACTGATTG GCTGGGGATG GGCAAGATGG
269801 TGAGGTAGTG CCAGGTGTC GATTTGGAA GCAGGGGGCT TGGGTGGAGG
269851 GGTTGTCGGC TGAGGCTGGG ATGTGAAAGA AGGAGCAGTC TTGATGGTGA
269901 GTTCATTG GCCATGTTG AGTTGAGGGG CCTGTGGGAC AATGTGGGA
269951 AATGTCAGGC CAACAGTGGG GTGGGACATC AGGAGCTAA GAGAGGATAG
270001 TGGATACTGG GCTGGATAGT GAGTAGACAC CGCTCCAAGC TTCCCCCTGCA
270051 CCAGCCTCGA TTGAGGGAAC CGAGTATCCA TGGGGGAGCA GAGGGAAAGTT
270101 TCTGTATAGC TTATGCCACT CCACGTCCCA AAGAACACCA GCTTCTGGGA
270151 ACCTAGAAAAA GCATGGGGCA GGAGAAGCAG CCAAATACTC TCAGCAACGA
270201 CCACCTTAA AAGGGCCTGA GAACACCAGG GTGGGAAGAT GGAGCATGGT
270251 GGAGGCCAGT TCCATGGCCA CTCTTGTGTT CTCCCGCAGG AGCCAGTCCA
270301 GAGTGTGCAC TGGCATAAAAT GGGTCAGCAC ACCCCACCAAG GGCCTCTAAAG
270351 CATGGAGCAG ACAGGAATAG GGGCACACAC CCGGGGGGTC ATCAGGGCCA
270401 GGCCAGTGA GTGACCCGAG TCATCTAGAA ACATGACTCA ATCGACATTT
270451 ACACCTGCCA ATCAGACATC TCCCCATGGG TGACCTGGGA GACCTATGTG
270501 CACACCAGGG ACCCAGAGAG TTAAGCTCAC ACTCGGATAC ATCCTGTGAT
270551 GGAAAGACAC CCCTGGAGCT CTCCTGCCAG AAGCCCTCCG CACGCATACT
270601 CACCACCAA ACCCCCTCAT CTAAGGCCAC ACAATTAA GTGATCTGTA
270651 GGCAAGAACCC ATGACTGTCT TCACATTGA TCTCCATTTC TTCAAACAGT
270701 ATCCCTATCCT CAAAATGCT CACTACCTAG CGCCTTAAAGA GTCAAATCAA
270751 CTCCACTGAG TTGGCTCACT TTTTAAAGA TGCTTCTCCA GCTCTTATGT
270801 TTGCTTCTG ATGGAGGGGA CAACTAGCCT TAGCTACTTG GAGCATGTTG
270851 AAAGCTCTGA GTGGTGTGCA GCATCGACTC TGTAAACATCC AGCCTGAAAC

270901 TTGGAGGCAT AAGCTGGGAA AATGTCCTAA GACATGGGTG GCATTTCAA
270951 TGTAATTATT GCTGGTATTC CCATTGGCA GCCCAGCTT CAAGCCAGCC
271001 AACTCCCTCA TTTTATATT ACTTTTAGTC CCACACTATT TTCTGTGATC
271051 CATTAGCTCT AGGAAGTCAT TTAAAAGCTA TAATCACGGC GCTTGCTCA
271101 GGTGGATGCA ATCCAGATAA ATGGACCCAG ATCCACTCC CGAAGAAGCC
271151 TCGGGCTCCA ATTCAAGCGCT AATGCACCCC ATTAAACAA GCAGAGCCAG
271201 CTGGCCCCGCT GAGTTCTAAC TCATCTGCAT TTAAAAGCTA GGGAAAGTGT
271251 GGGCAAGAGT CCGTGCAGA GGACGCTAA CAGCCCGCTT CCTAGTTGGA
271301 AAAATGTACCT TTGGCCTTGC ATTGGGTCA CAGGTGCAAG AAGCCCCAC
271351 CTAGAATGCA ATCATGATGT CCCTCAATGG TTGCTCAT CATCCTGGTG
271401 CACGCTGTCT GGAAGTAAGC TTGCCCCACCA CAGCCCCATG CTGGTGCAAG
271451 GGCAGGTTGG GGGCTCTGGG CCTTACCGGA GAGGACGATA TCCCAAATCG
271501 AGCACTGTGG GCCTGCAGCC CGCCATCCCC GAACACAGGC CTGTGCCAG
271551 TTGCCAGAGG TGTCCCCTTC CCGAGACAGG GGTGTGTTGC TGTGATAGGG
271601 CAAATCATTC ATCATTCCAT TAGTGGTCAC AGGTCTTGAG CACATACTGC
271651 GAGCCCTCCA TCCCCATGGA TCTGGAGAGG CCTGGGAAGG GGTGGACACA
271701 GCCCCCTGCC CGGGGTACAC AGTGTGGTCA TGAAATGGT GCTCACTCTC
271751 CTCAAGCATT AGATGCTACA TGCCTAGAAG GGCTCAAGGG AGACAAGCAC
271801 AGGCTGGGA ATCAGAAAAG GCCCCAGGGG GGATGAAGGA CCTGGCTGGC
271851 TCAATAGAAA GACAGGCACA CAGGGTCAGG CCTGCAGGGG ACCATGGGAC
271901 AGAACTGGCT GTAGGGTTGT TTAGATGGAG TGGGCAGGAG GATGTGTTGA
271951 AGAAGATGTG GGGGCCCTGA TGACAAGTCT AGGCAGTGAC TTCATCAGTC
272001 AGCCTCTCAC CCCTGCCCTG GGTCAATGGG GGCAAGGGAAAT AAAATCCGTA
272051 CCATCCTTTT CTCACCCTCC TTAACAGAAAG ACCATTCACA CAGCTCTCAG
272101 CACTCAACGC TGACTGCAGA GGCGGCTGTG GTCAAGGAGAG GGGAGCAGGA
272151 TGGGAGAGAG ACAGCCAGAA GGGAAAGTCGC TCAGCCAGCT GTGCCACAT
272201 CTTCTCATGT CCTGGGGCAT GGGCTCTGG AGAGCAGGGC TCGAGCCTCG
272251 CCCCCCTCTC CACCCACTTC ACACCTCAGC GTAGTGGAAAG GCAGGGTGGG
272301 GTCAGTGCCT GTTTGTTGAG TGATGAGGAC TGGTCAGGGC TGGCTGTGCT
272351 CATTCCCCAC CCCACCCCTG CCTCCCTCCCC GAGCTGGACA GCCCAGCTT
272401 GCTGGGGAGG ATGCGGCAAG GGTCAAGGGC AGTTCCAGGG CCTCAAATG
272451 ATGAGGGCTG CTGTCCTGTG GTTATGGTT GGAGCTCTTC ACCTTGTGCC
272501 TATTGGTCT ATGTTCAATC TGGGATCTAG AGTTACAGTA AGTCCCCGTA
272551 GTAATTCAAC TGCTCATGAA TTCACAGAGC AGGGTAAGCT ATGGGTTGCC
272601 TATCTCTGCC AAGCCAGATA TTTGGAATGG TTATAAATAT CTCCCACGT
272651 CAAGTAGAGG TCCCTCTGCT CCCTCAATGC AAACACATCA GCTTGGGATC
272701 CATTAGTCA TTCCAATAAA TTAAGAAGCA CCCCTCATGG GTGTGGTGGG
272751 TATAATAATT CAGAAGGCAA AACTCTTCC TCCCCAAGGA TCCCAGTGT
272801 GGTGCATCAG GGGCCATCTT CTTGGGGGC ATCACACTGC ATGCTGGAGG
272851 AAGAATCAGC TTTATAGGGC AGTTATGTT GAAAGTCAAG TGCAGAATT
272901 GGACTCTGAT TGCCACCCCC CCCAAGAAAG GGGAGGGGAG AGCTGTTAG
272951 GGAAGGCTTT CTAGAAAAAA AAAGAAATTG AAGCTGTCCC CAGGGACAG
273001 TTTAGGGTT GATAGGGGA CATTTCAGGT AGAGGAGGCC AACCATGCAA
273051 GGCTGGAGG GAGGGAGGCT GGGCTGTCC GGGGGTGGCT TGCTGGCCAG
273101 TCAGGCATGA CTGGACCATG AGGGGAAGGG GCAGAAAAGT CCATCTTGAT
273151 TCCTCCTGGG CAGGAGACCC TTGACGTCTC TTTTTGTGTC ACGTGAGCTG
273201 AACAGCCAGG GCCGTGAAGG TCGAGTCCC GCCGTGCCTG AGTCCATACT
273251 TCAGTCCCTCA AACCCCTTGAG AAGCCTAGGA GGGGAGAGCA GGGCAGACGA
273301 GGCCAGGGCA TGGCCTGTGA GAGGCTCCTC AGGCCTTACA CATTGGCCCT
273351 GTGTGCTCAG AGGTCTCCAA GGAGGCCAG TTTTATGTCA GGGCCATGA
273401 CAAACCCCTCA CCAAGAACAG ACTAAACTGAG CACCTGCCTC CATAACGATA
273451 CCTCTGAGCC AGGAGCCACG GCCAGCCACG CCTTCAACAT GAGGAGGTGG
273501 TGCGGTGTCA GCACAGACCG CCAGGTGTT CGGGAGGCCCT GCTCACAGTG
273551 TTTGTGTTAGG ACACCCCAAG GTGTCTTAGC TCCTGGACTA AGCCTCCTT
273601 AGATAACCTCT GGGAGCTGAG TATTGGGTGA GGCAGGACG CCCTGGGCA
273651 GTGGGGATCC CTCGACTCTT AGGCCTTGTA TTCTTCTCCT AAGGCTGCTT
273701 GGCAAAACCC ACACCCCCAC CCAGCTCCTC CCCCAGAGAC CCCAGGCCCT
273751 CTGGCAGGCC TGGGTTGAAG GGATGCCAG CCCAGGATGG CAGAGTCTCA
273801 GGGACCAGAT GAGCTGCCGC CACTTCCATA TCAGTGACCC TCTCCTGTGA
273851 GCCCGCACC TTCCCCACCC TCCCCCATGT ACTTAGGCCT GGGCTTGGCT
273901 GAGGACAAAT ACTGTCTACT CAAAGCAACT GCTGTCTTTC AGACATATTG
273951 AGAAACATCA GTTACCTTT TTTAAATAAA CATATCATTG AAGCATAACA
274001 CAGAGAGAAA ATGAATAAGT CATAAGTGTAGTCAGTG AACTTCCACA

274051 GAGAACATAT CTGCGTAACC AGCACCCAGA TCAAAAGACA GAATCTTAC
274101 AGTCCCAGA CGCACCCAC ACCATGCTCT ATTCCAGTGT GACCCACCCA
274151 AGCATACCCA CTACTCAGGT GGCCTTTGA AAGAGGAGAG GGCATGACTG
274201 TGACAAAGCA GAAGGGTGGC TAACACCAGC ACTGCCACTT AGAGGGTGC
274251 CCAGGTAGAG GGGAAACAGG GAAGAGAGCA GAGGCCATGA GGTAAAGAAA
274301 AGTTTCATGT GAGTGTGGAA GAGAACGACC CAGTGAGCGT GGCAGGACCC
274351 TCGCCAACGT TGACTGGAAG CTGCATGTAG AACTTGAAGC AATCACCTAG
274401 GAACTTGTGC TCATGGTAAT GGATTCAAGT GCTTTATCAG TTTGGAAC
274451 GGCTGAAATA TCAGTTGGA ACTCGAACCA TTCTAGACT CTACGCCAA
274501 AGGAAGACAG ACCTTTGAGT GGAAGCGATA CAAATTACCT GTGGAGCAGA
274551 AAACAAAGAT TCCCTGTTGGC ACTCAGGCTT CCTCCTGCTC TAGGTGAGAC
274601 CTCGGGACCT GGGTGGGGCC TGGCCCTTCC AATGCCTCAG AGGTCAGACA
274651 TGGGCATTC AAGGGCCCTC TTGGCTCAGG CTGGGGTCCA GCTCACTCTG
274701 CCCTCCCCA GAGCAGCTGT ACTCATGGCT CTGTGTCTGA GGGCCCTGAA
274751 GAACATCCTG CAACATAGGA TCTTCCAGA TTCTCTTCC CTTCAGTCTC
274801 AGACACTACC CTCTGCCTGA TGCAGGAGGC CCTGCGCAGT GCAGGTCAGC
274851 CTCTGCCTGA CGTGGAGATG CCCTCGCTGG GTGTGACTCT GCTTGCTCCA
274901 AAGGGTACCT TGCTCTGGGA ATCGGCTACA GGTCAATTCT GTCAGTAAA
274951 AGACCTGGAA ATCCCATCTT TGTGTCCCT ACATTCTCA GCCCTGGATG
275001 AGATAGATGA CCAGCCCAGA CGTCTGGATT TCTGAGGCCAC AGCTGTGGC
275051 AGTAAAAGGC AGGATGTGCC AGTGTGTTAG TGACAATAAG ATTTGCCAG
275101 TAAGGGGCCCT CATGCGCTGG GCAGGGTTTC AACGTGGTCC TTGTGCTATA
275151 GAGATTCTG TCCTCTCCA TCACAGTTAG AGCTGGAAGG CTGGAAGCAG
275201 GAGAGAAAGG AGGTGGAGAT GGGCAGAAAA ACAAAACAAG AATGTGGGC
275251 ACAAAAGGAC AGGCAGGCAA CGGCCTGGCT GCATGCCAT TGCCCGGGC
275301 CCCAGGCCTC TCACTGTTCC TTGGCCTCAG TTCTCTAATC AATAATGAG
275351 GAGCCTGGAC TACATCATTC CAAAACCTTT ATCCCTGCTC CTGGGCACTA
275401 TGACCTGGGA TTTGTGATGG GCCAGCTGCA TAGGAGGCCCT CAAGAGGCAA
275451 ACAGGGTGCA GGATGGGGCT GGGGCTGAGC TGGCGCCACA TGTGAGTGT
275501 CACTGGGATG CACACCCAGA TCCACAGCTG TGTGTGAGAG TGTGAGTGT
275551 TGTGTGTGA TGTGTGTGCA TGAGAGAGAG ACAGACAGAG AGAGAGAGAC
275601 AGAGAGAGAG AGGACACCTG CACGTGCAAG GACCTATTCT CCAGTGTCC
275651 CTCTGCACCT GAGCCTATAC TGGGTGCCAT GAGCCTCCAA AAGAAATGAA
275701 AGAGTTCTC ACCCCAGCCT TGTGAAACTC TTACCAAGAGT GTTATCCTCA
275751 CCAAACACAG AGCACCATTC GTGGTAAAAA CAAAATGGA GGTGAGAGTG
275801 TGATGGCTT ATTTAGCTGA TGGCTCTGT TTTTATTAGG AGCCATGACA
275851 TCATCAAGTG GCATTTCTTG AGCCTCACTT ACCAGATGAT TTCTCAGTAT
275901 TTGCTCTTCT GCCTGGAAAG TTCTTATGA ATATTTAAC CACATTTC
275951 AAGCATAAGT CAGAAGACAG GTTAACACAT TCTGAAGCAA AACATGCTAA
276001 TTCTGTGACA CGTGTGATCTGC ACCATATCCA CAGGGACACA GGTGCATAGG
276051 GCTCTGCTG GGATCTCAGA TGGGAAGACC CTCAGGCTGC AGGCCACTGG
276101 CTCCGCCTCT CGGGCCCCAG GTGTTCTCTG AGCTGTGTAC ACTTTCTT
276151 GGAGAAATCCA AGAGGGTCCC TGTCACTCCC ATCAACTGTG GATCCTGAAC
276201 CTCTCAAAGC ATCTGAATCC ATTACCATGA CAGACAAGGC AGCCAGGAGG
276251 CCATCTCAG GCTCTGGAA CTGATAAAATA TGGAGGCAGA GAGCAGGCTG
276301 GAGTCATTGC GCAGTGTGT AGTCTAGTGA GAGCCAGCAC ATCTGCCAA
276351 TCCCACATCAGG CTGCTGTTT CGCTCTTTC CGGGTGTCA GGGAGTGAGC
276401 AGTGCAGATG CATTATGGCT GAGATGTGTC TGAATCAA CTCCATCGCT
276451 GGAAGAGGAG GGCTTCTGA GCGCTCGGAG GACCCACACC TGGTTGCTG
276501 TTTATCCCCA CTGCCAACCC TCCCCTCGGCA GCCCGGGCTT CTCACACTGC
276551 CAGGCCCTGC ATTCTGGATG TGAGCTGAGA CCACAGCCTG CGCATCAGCT
276601 CAGAAGCTTC AGGTTGAAAA ACCCACACGT TCCGCGCTGGC ACCGACTTTC
276651 ACAGAAATGA GGGTTCTGC AGCTCCCTCC ACCGGGCTGCC CACATTGAA
276701 TAAGTTCCCC GTGTAGATAA TCCTCAGAAC AGCAGTGCAG GTGACGGGA
276751 AGGAGAGCCT TCTCACTCTC CTCCCAGAGG CTCAGGCCCT GGAAATACTC
276801 CAAAGATCTC CCGAAATGGC TGGTGTGCG TTTCAGAGTT GTGGAGTTTT
276851 GTTTTATTTT GACCAGGGAT TTACTGTCAA TCGTTCAAGT CCGAGAGGTT
276901 AAGATAAAATC TCAAACCTC AGGAAATTTC TCTGAGCCGT CTCAGGTCTA
276951 AAACCCCTCG TTTGGGTCA TCTTCTCTGA AATGCCATT CCTGCCAAGC
277001 TCATGTAAAGA GCACGTATCG CCGGCTTATA GCAGACCCGT TTTCTGAGAG
277051 CATTCTGAGG CAGTTCCCT GTAACACCTT TTCTTCTAAA GTAAATGACC
277101 CCAGGAGCCC CTTCCGCAGG TGAATGTGGA ATGTGTTAAC ATTTGGGG
277151 TTCTCTCCTG GAGACTGCAG TTCAATGGCA TTGATTTGCA GTCCAGGCAC

277201 CCCTCACATC AGAGGACCA G AATCTCTGCT TGTTGTCTTG AAAACCCAGT
277251 GACTCTTG CTTGGCTCAG AAGCTGAAGA TCAACACAGA GGAGAGAAAA
277301 ACACCAGT GAG CTGCCAGGCC TGTGAGACGC CCGCTCAGAA ACTGCTACTG
277351 CCCCAGTCTC CCCACCTGTT ATTTCAGGGC ACACCTGCC C TGCCTGGGG
277401 TGCTTGGGA GAACAGAGAC AGGAGAGAGC CCAGTTCTGG AGAAGGCCCT
277451 GCCGGGACCT ATGCGGGGCT GCTTCCCTC TCAGCGGGG TTGCTGTCTC
277501 TACCCCAGTG CACAGAGGTG ATGCCTCTTC CTCTGGGGCT GCTGTGGGCT
277551 GCCTCCCTAG AGGCCAGGAG CCTCCATGGC CCCCAGGCAT GACCCTGAAT
277601 CCCCTGCC C CCGCTTTTG ACCATGCTGG CAGAGCTTGC ACACAGGTGC
277651 ACGTGTGTC ACAGCATAAC CACAGGGACA CACTCACACT TCAGCACATA
277701 TGCACACACA GGCATACTCC CACACTGTT CCGCTGTTCT TTAAAAATCA
277751 CAGTACCTGG GAGTGTGAAA AGAAGTAAGG CCACAGATT GGGTTGCTCT
277801 TGTAATCAC TTGTCTTAC CCCCCTGTCAG ACCTAAAGCC ACCTTTTAT
277851 AGCAAATCTT TTGTAAGCC CCCCCTTATT ATCTTGAAT GGATACATGT
277901 CATCAAATAT GACATATATT TGATATGAGG GATATATCTA AGTTCTATCC
277951 CATATATGTG TGGTGTATTA TTCTTGGAT ATTTGTACCC TGAAATCTCA
278001 TGTTGAAATG CAATCCCCAG TGTTGGAGGT GGGGCCTGGT AGGAGGTGAT
278051 TGGATCATGG GGGTGGGATT CTCATGAATG GCTTGGCACC ATCCCTCAC
278101 GGCTGTCTC ACGGTAGTGA GTCTTGCGA GATCTGGTTG TTTAAAAGGG
278151 TGTCATCT CTCGCCCCAC TCTCTGCC C TGCTCTTGC CCTGTGAGAT
278201 ACCTGCTCCC CTTTCACCTT CTTTCATGAG TAAAAGCTTC CTGAGGCC
278251 ACCAGAACGCT GTGCCAGCG CTATACATCC TGTACAGCCT GCAGAACTGT
278301 GAGCCAATTG TTTCTTATA AATTACCCAG ACTCAGGTAT TTCTTATAG
278351 CAATGCAAGA ACAGCCTAAT ACAATGTGAT AAAAAGGAGA AATGCAGGAA
278401 AAGTGTGAG GATAAAATAA ACCTTCAGT ATGTAATAT CTGGGCACCA
278451 GCTGCACTCA TGGAGGCCAG ATGTCAGCAC CTACACGTGG AACCTAAAGA
278501 ATACAACAGC TGAAACAGA ACCTGTTACA CGTCTGTTAT GTTGACAAC
278551 TGAATATTCA AGTGTGTCG CTTTAGAGAT GGGATTCTCC AAAATGGTGA
278601 ATGATTCTTG ATAAAATAGT AAACAGAAC TACAATTGAC AGCAGAGGTG
278651 CATCCTTGG A ATGCCCTTG CAAACCCGGG GCAAAGGGGG TGAATGTCGT
278701 GTAAACACATT AGATTCTAGG CTCAGTAAT AGTAACCAGA TGTTTGCTG
278751 CCGTGAATG A GACATTTAAA AATTCAAGATG AGATGCCAGG TGTGATGGTT
278801 AATACTGAAC GTCAACTTGA TTGGATTGAG GGATACAAAG TATTAAGCCT
278851 GGCTGTCTC GTGAGGGTGT TGCCAAAGGA GATTAACATT TGAGTCAGGG
278901 GGCTGGGAA GGCAGATCCA CCCTTGATCT GGTGGGCACA ATCTAGTCAG
278951 CTTCCAGCGA ATATAAAGAA GGCAGAAAAA TGTGAAAAGG AGAGACGGGC
279001 CTGGCCTCCC AGCCTACATC TTTTCCCAG GCTGGTTGCT TCCTGCC
279051 GAGCATCAGA CTCCAAGTCTG TTCAGTTCTG GGACTCGGAC TGGCTCTC
279101 TGCTCTCAG CTTGCAGACA GTCTATTG TG GGACCTTGTG AGAGCTGCAA
279151 ACAGAACCTG TTACAGGTGT GTAAGTTAAT ACTTAATAAA TAAATATATA
279201 TATATCTCTC TCTCTCTTT GAGTTCTGGC CCTCTAACAGG AACCCCGACT
279251 AATACACCAAG GCCAGCAGAA GTTTTGTGC AGGATGGTAC CGTGAAGGTC
279301 AGGATCGCTA GGACCCCTGG CCCCACCCAT TAAGTGTAC CAAGGCC
279351 CAATCATTGT GACAACAAA AACATCCCCA CAAAATTCCA AAACGCC
279401 TGGGGACAGC ACTGCCCTTG TTGAGACCGT TTATAGAGAC CCCTTG
279451 TGCATGAGT CCATGTGGG A GCTAAGTGT CCTTTGC GACCCATCAG
279501 CCTCAGTCTG GAGCCAGTAA CCCTCATCTT GATCACTCGC GGAGGAAGCG
279551 ACAGCCTCAG ACCCGGCCGT GTCTCTATGG ATGTGCCAC CACTCAGTCT
279601 AGTGGCCACT CAAAGGCCAC AGTAGCTCAA GCTCAAAGCA GCTACATTTC
279651 TGGACATCAC TGACGCCATT GCCTCGCTGA CGCTGAGCAA AGTTACTGCC
279701 AGCTCCACAG CCGGCCTTT CCCCTAGTT AGATGTTGG GAGGATGCC
279751 CCTCCCAAGG AAGTCTTGG A AACAAAATTA ATAAAATTAAC AGAGGAGGTG
279801 GAGAAGGCAC CCACACTCCC ATATCCCCTC CGACTTCCCT GCCTGGTGAC
279851 TGACCTCTAG TCCAGCTA CTGCTCTGC TCTTGGGGCT GGTGACAGGG
279901 AGAGTGGGAG GAGGGCTGAG CTGCTGGACA GGGCAAAGGG GGAGCCGGAG
279951 TTCATAAGAA GCTGTTGCC ACCTTCCACA AGGAATGCTG ACCTGTTAGG
280001 GAATCTAGCT GGTGGAGGT TTCCACTAAC ACAATAGTAA AAAATAAGT
280051 TCTTAATACC AGGAGAGCTT TAGCATTAT TCATGTTTC ATACAGTGT
280101 CTTTCACTCT GGGGCCACCT GACAGATCTG CCAGTCACCC ATAAAAAAGT
280151 TATGTGGATC CCTCTCCAG GGATCCAACC AATTTTGCTT TCTCTAAAG
280201 GAATAAAAGA GAGGATTGTA AATGTCAGAC AGCAGATTGT ATAGCAACAT
280251 CAATGAAAC AGGCATTCT AAGCAAATGT ACCATTATC TAACAAAGGT
280301 CTGGGTGGTT TTGTTAATT AAATGACCTG ATGCTGGGGT GCAAATTGAG

280351 ATGAGGCATT GTCTCGTAT TCAGGTCAA GTGGAGGTGG ATATTGCCAC
280401 CAGCCTTGA GTCGGCTGGA TCTGCTCCAG TGCAGCACAG CGGGGGAAAC
280451 AGCGCAAGG TCTGCATGGC CTCGTGTGT TTTAACCTG GGTAAAAGGC
280501 CATGTCAAGC CTTACACATG CAGATTCTGT TTGTGGTTCC AAAGTGAGCC
280551 TTGTACCTTC AACCTAGAAA ATTCAAAATT AGCTGAGATG ACAAATATGG
280601 ACACCTCAGG GAAAAGACCA GATGAAACT GACCGAGAAT AGTTTGGCAG
280651 CCTTGATGCA AGGCCCTCTT TGAATCCTGG GAGGATGAGG GGCTAAATCT
280701 AAGAGGCTGT AACCACTTGA TTTCCTCAG CCAGTCCCCTG GATGCTAGAG
280751 TACCCACACG CCAAAATCTC TATGTAGGAT CCCAGGACCT TGGCATGGCC
280801 AAATGCCAGC AGGTGACCTT TGAGAGAACCC ACCCTTTCA GCCGCAAAC
280851 CAGCTGCCTG TGATGGCTGT CAGCTCAGCT CAACAAGAGA CAGACCCAGT
280901 CCTGTAGCCA TGCCCTCCTC CCCCTGAAGC CCTTATACTG GCCTCTGTT
280951 CCCAATTAGA GGAACCAGCA CATCCATGCC TTACCGGGAA GCAAGAGCCA
281001 GGATGTTGGA AGGAACCTGCT CGGCTCTGTC TCTGGGTCTT GGCTGAGAGG
281051 CGGGCACCCCT CCAGCTATTAA CCCAGTTCTT CTTTCTGATT TAATCCCTGG
281101 TAGTTTCCC TTCCAGGCC CTCCTGAGAG CCAGTCAGCT CTCAAGCAAG
281151 GTGCCAAGT GAGCCCTGTC AGGTAGGGGG AAGGTAAGCA TGTTTGTAA
281201 AACTGTGTTT CCCAAAGCGT GCTCAGTGGA CTATCTGTGC TAGAATCAGC
281251 AGACTCTTAA AATGCAGCTT TCCGGGCCTC ACCCCATACT TGCTACCCCTT
281301 CTAGAACGTC AAAATTGTT TCTAACAGAC CTGCAGACCT TCTAGAGGTG
281351 AGAATCTATA GCAGCTCTCC CATAACGTTG CGTTTCCCTCA GCTAGGCCCTG
281401 TCCTGGGCTT CCTCTAGGGAA AAGCCAGAGT AAACAGGTTT TTCGTTGAGT
281451 TTCCTGAGGC CCTGGTGTAA TGTGGGTGAA AGACCAGGGT CAGGAGATCT
281501 GGTTCTGAT CTTGGATCTG CTACTAGTCT GCCCCGTGGT CCAGCCACGT
281551 CCCTCCCCA CCCTGGGCCT CAGTTTCCC ATCTGTCTAA TGACTGCATT
281601 TGGCTCATTG CTGGTTCTGG TGTTGGGACT AAGGAGTGAG GAGTGTCCA
281651 GGGAAAGCTC CAAGTGTAGG AAGGGACAGG AGGCAGGCTG AGTTCCCTCA
281701 GGCCATGGGC AGGCTGCAGC ACCTGGTGAAG GGTATGCCCA CCGTAGGTCC
281751 CTGTTAGCAG TGTTCTCTAA GAACGTGAAG TTATTCAACCC AAGAGATA
281801 AAGATGCTGG GAGCAGTCTT TGCTTTAAGA AGCTCAGTCT AGGAGATAGG
281851 ACAAGGACAA ACCCCCTCCAG GCTCACAGAG CCAAGGTCCA GAGTGTGTGG
281901 TTTGGAATGG ATGGAAACAG CTCTGTGGAA CTGGGCCTTG GCAGAAAAGT
281951 CAGATTGAA GAGAGGGTCT GCCAGGAGTG GGGCACCTGG GAGCAAGCTC
282001 TGCGGCGGG CTTCTGGCA GGGAGTGGGA AGTCAGTGGA GCCAGACTGG
282051 GACCACTGGG AGGGCCTTCAG AGGCTAGAGT AGCCAGTGGT TTTAGGCCAA
282101 TGACAGGCAT AAACACCGCC ACAGGGTGCT GAGAGAAGGG GATAGTGACC
282151 CACTCACTTA GAAGTCACAG ACCCCAGGGG ACAGCGGCAG TGGGTTACCA
282201 AGTGGCACGA CTTCCAGTAC ACCTGTCCAT GTTGTGTTGG GGATTGTGAG
282251 AAGACTGTAT CATATGTGTG TAACAGTCTC TTGGAATTTT CAGAGTTTG
282301 TGCTCAGTC AACACTGTCA GTGAAACGAC ATCATGTGTTAG CTAAAATATA
282351 TCTTAAAGAT AAGCCATTG GTTTGGCAT TTATTGTTAA TTGAATTTC
282401 CCAGAAATGG CAGCAGAAAG ATTGTTAATG TTCAATGAATT TACATCAAGT
282451 TAAACATCTG TCCCTTTAA GCTAAACTCC AGCAAAAGTTA CGGCAGCTCC
282501 TAAATTAGAG CTGGGAGTAA AATCCTGCTT GTTCTTGCG CAGCTTAGCA
282551 GTTCAAAAT AGACCTCAGA ATGACACATC ACAACTGAGG CCCCTGTAAC
282601 GCAGCGCAC TGAGCTATAT AACATGGGTG CCAGACAATT AAGCCAGTT
282651 TTTGCTTGG TGTTGAAGAT CGAACGTTTG CTGGGGCAGC ACATGACATG
282701 ACTTACCAAGG CTAATGGGGAA AAGTGTGGGA ACCAGTGTGTC CTAATGTCTG
282751 GGGGACAGGG AGCCAAGAGG ATGGGGCAT GTCTGTCTC TCCCCGGGC
282801 CTCTCTGGGG GTTCTCAGG TGAGGTTGG GGATCTGAGC TCTAGGCCACC
282851 CTGCCAGGTT GAAGAGGGGG TGGAGCCCAG TGACTGCAGC TCCAGAGAGT
282901 GGCTGGTTAC TATGTGGTTT CTGCAGGGAT GGCGCTGTGTC TGGTTGGGA
282951 AGAGAGATCC TCACCCCAT TGTGGCATT CAGAGCAGAC CCACCATCCC
283001 CCACCCAGGC AAGTCTTTCT TCCCCATGCC TTTGCCCTA GGTCCACGCC
283051 CCCTCCCCA AAGGGATTGC TTCCAGCAGT GGCAGCTGAG CTCTTTCATG
283101 ATGTTGAGCC ATGTCCTGCG TTCCCCCTCTC CAGTACATT TGGATATTCT
283151 TCAAAGGGGG ACTCCTGAGA GTAGAGTGC CCAAAGAAGG GAGATTCCAG
283201 CACCCCGGAG ACTCATGGGG CTGTTGCTT ATAGTGGCCT GGGGATTCCC
283251 CCCACCCACC TTGACCCAC ATTCTGCCAG TGATATAAGC TGTCCCCAAG
283301 AACACAGATG GTCCACAGGG TCGGCTCTGT TCATTTACTG ATCAGAGCCG
283351 GGGCAAAAAA CAGGGTCTTT CCTGAAGCTA TGCCATAGCC AAATTCA
283401 ACAGGCCCTCC TTACCTGGGT GGCTGTTCA AGCACAGGGC GCTCAGCTGG
283451 CCTCTTCACA GGGTGATCCA CGGCTCTCCT GACCAGCAAT GCCAAGACAA

283501 GAGGGCAGAA GCTTTCTCC TCCTCTCCAG AAGCAATTCC CAGGCAGCTG
283551 CCTTGTGCC ACCACACTTC TATGCAACCT AGTGTCCAGA GACCACCTTG
283601 CCACCACCCC TAGCCTGGCC ATGCTGGAGT TCACTCCATG GGAACAGCAT
283651 TGCAGGTTT GGGTTGTCCC CACTGGGTGA GGTATGGAGG TCTGGGCTTC
283701 AGTGAGCATG GCCACATGTA CCACATGGTC AGCATGCCCG CCAAGGAATT
283751 GACATGATGG GTGACACAGG CACTAGCCCC CTCAGAGAT CCAGACCCGT
283801 CACCATGGTG CAGGGTGGCT GGGATGTCT CTCCTTCAGG GCAGGGCCGT
283851 AGCCACTCTC CAAGCCCCACC TGCCACCTGT CTTCACAGT CATACCGGT
283901 ACAGACACTG AATGAGCCCC TTCTATGTGT GGATGCTGGG CCAGGTGCTG
283951 GGGGTACACC TGTAAGCAAG GCCCCACTGC ACTGGAGGAG CTCACAGTCT
284001 AACAGGGAGC CTGATGATTC ACAGTGGATG AAAAGTCAC AGAAATTGAA
284051 GGCTGGAGAA GGCTGGCAAG AGAGAACAGG GCAGCACACG AGGGTCCCCG
284101 TTAGGCAGGA TTGGTGTGTT AGGCAGGGGA GCCTGAAGGA GTTGGTGAAG
284151 AAACACCTTG CAGTGAGAGA TAGGACGGG GCAGCAAGAG AGAGCCACT
284201 TCCCCGCCCC ACCACCATGC AGGTGCCCTCA CCCCTGGGAT CCAAGGCTTG
284251 GGCCTTGACC ACATGGCTG TCTCCCTCTC AGAATCTGAG CTCCCGACAG
284301 CCTGTGTAGC ACTTTCCACA TTGCCACAT TACACAACGC CTCCCTCCCC
284351 TTGACTCTTC GGAGTCTCCC AGCCCCACCC ATGCCCTTTA CAGGAGCTTC
284401 ACCTGCCACA GAATGAAGAT GGTCCCTTTG AGCACAGTCT GGCAGGGCA
284451 CAAGTGGCTG ATGGAATATT TACAATGTCT CCCTTGCTTC CCTTTGTTT
284501 GCAATAGAAA GTGTTCTTT GATGGACATT TAATTCCAGA GACTGCTTAC
284551 TGCTACCTAT CTCCCTTGC TCAAAAATTA AATGTGGATG TGCCCTGTTCT
284601 CCTGCTATAA TCATCTTCCT CTGTGTGAAG GGAGTGCAGT GGGATGAGA
284651 GAACATTAGA ATCTTCAAAG AGGGACAATT ATTGAGGGAA CTAGATTAA
284701 GAGGTGTCA AACAACCTAG CGGATCTGC GACTGACCTT TCTCATGGAG
284751 AACGGGCTTG ATAATGTAG TTCATTACCA AGTCTGACA TGAAAATAGG
284801 ATCACACTCT GGGCTCTCG GCAAGCTGAT CAATATTAA TCTGCCAAAG
284851 CAGGCTGGT CTGGGAGCAG GAGGAGCCCC ACCGATGTGC TGGCAAGGAG
284901 CCTGAGGCCA GGGCCAGGGG CTGGCCAGGC CAGCCCTGTG GCATGGAGGG
284951 CACCCAGGCT GGCAGGAAGG TGGCTGAGCC CTTCACAGAG CCTGCCAATG
285001 ACGCTGTCAG TGTCAAGCTT ACCAGGACAT GCAGCCTCTC TCCCCAAAGA
285051 GCCCCAGATG GGGCATGTGC ACTGGCGGT AGGAGGGAGG GAGAGGATCA
285101 GGACATCTTC TGTCTCTGT TTAGCCATGA GCACTGATTT AGTTGCCAAC
285151 CTGCCCCAGG CCCCACAGTA AAGGGACAA AGACAAATGA GCCATACCCC
285201 TCCCCGGGG CTTTGAGCCC ATCTCACCAA GAGAAGACCC CAGGCCCTCGC
285251 CAACACTTG CTAAGTCTC ACATTTCTC GTATGCTATG ACCCTGGAAG
285301 GCAGTAAGAA GCTATTATTA TCCCCATGTG AAGATAGGGG ATAGGAGTAG
285351 GAAGGGCAGG GGAGTGAATG CCTTTCTAA GGCTCACAG CTGAAGTCAG
285401 GTGGTCTCT GATCCTCCAC CCAGTGTCT GTCTGACCTT GTGGTACTG
285451 TCATTAGCAG TGTAAATAT AGGTAGACAC GGAGCCTAA GATGAAGTCT
285501 GTGCCCCCT GAAGACCTTA GACAAGGTT TTAGGGGTG AGCCCATCAC
285551 CCTGGCTCCA GCTTCATGAA AATGCCCTGG ACCCACAGGA CTCTGGTCT
285601 CTCATTCAAC AAGCATTCA TACTGTAATG CTGCATGGGG AGCTGTCCAC
285651 TTCAACTCCT GCCTGCTCAG AACATGTAAT CCCATTAAGG GGACATAGCA
285701 GATGCTGAAA GCGCCCCATC CAGCTCCCT CAGTCAACCC CAGAGGTGAT
285751 GTGCAGCTTG GATGGACGAT TCCCCATAAC ACTTGCCAAG AGCATCCAAT
285801 CCCAGGCACC TGCAGCTCA GCCCTGAGGAC ATTTTCCGGT CTCAGGCGTG
285851 GACTCAGTCC TCATTTGGGA GGTCCAGAAC TGCTAGCTGG AGGTGGTGA
285901 TTCCCTCAAG AGCAACCTCA GCTAATAGGG ATGGAAGTCA GTAGAAAAAT
285951 ATCCTGGCTC CCTCCACCT CAGTGAAGCA ATTCTGCGGT GTGTTCTACA
286001 CAGTCCCTCT GAGGACCCCCA TGGGATTGAA CCCCCATTGC CCACGGCGGC
286051 AACCCACTCA TGAGTGAACC CTTTGTGGC TTTTCTCCCT TCCCAGTCTA
286101 CTTCTGTTC CTTCCAGCAC TTCTGGGAT CATCTTCAAAT TATGCTGCTT
286151 GCCCCTAGAT CCTCATCTCA GGGACTGCTT TGGGGGAGCC CAAACTAAGG
286201 CTGGGGCAAG CCTCACTCAG AAAGGATTTC ATAGCAGGCA GAAAGGAAAG
286251 CTGAGGGAGA AGGCAGTCCC CGTGTGGGTG TGTGTGGGTG TGTGGGTGTG
286301 GGTGGGTGTG GGGGTGTGTG TGTGTGGGG TGTGTGTGTG TAAAGTGGACA
286351 AGCTTCTAC AGACGAGGTG GATTGGCCT GAAGACAGGA AGGGGGTGGG
286401 GCAGCATGAG AAAGCGCAGC TGTGTTCAGA GCATAGGGAA TTTCCAGCTA
286451 TGGAGGGGGC TTCCCTGAAA TTCTCCAAAC CTCACTGTAA GGCTTGACTT
286501 AGCCAAGGTT ACCACAAAGG CAAAGACAAA ATCCCCCTTAT TTGGAACAAAC
286551 ACAAAAGTTCT CTTTACCTGG AAACACGCAA GACTCAGAGA AAACACTGAA
286601 ATGACTTTCC AACATGTGG GCAGAAACTT GTGCAGTCCA AATCACGGCG

286651 GTCCCTGCCCA CTCATGAAGC AGGTCCCCTG CGGGTCCCAA CCTGGCAGCC
286701 CCTGCTGAGC CTCATTCAAG GCATGGACGT CAAGGTTATA TGCAAGCATC
286751 CCACCTTTTC TCTGGAAGAG TCACGCCTCC GGATTAATCA ATGCTGAAGT
286801 TCAACTGTAT TCTGAGTCTC CCCATCCCGAG GCTGAGTTAG AGAGGCCCTG
286851 GCAAATGGGAT CGGGGCCCA GCTCAGGGCT CCTTATGGCA TTCTCTCGAA
286901 CCATTCTCTC GAACCTCTGA CCTCAGGTA TCCACCTGCC TCGGCCCTCCC
286951 AAAGTGCTAG GATTATAGGC GTGAGGCCACC GCGCCCGGCC TGCCACTATC
287001 ATTCTCAACA TCATCTTGAC CATCACCCAC AGGGGCACCA GGGAGGAGTG
287051 GGGTGGTCCC CAAGGCCCTG CCACACACCC CAGGGACCTT CCCTCCGAAG
287101 GAGTAAAGTA TCCTGTGGAC CAAGGCTAAG GCTAAGACTG GACCCCTGCC
287151 CTGTCGGAG AGATCTGATT CCCTCCCTAC CTGGGAGCCA GGCCCAACAC
287201 ACACAGTGTCA AGGGCACGGA GAGTGTGATGAA GTAAAGGGT GCCAGCTTAC
287251 ATCAGGTGAT GTTAAAGCAG AGGCCAAGAT GAATACACCA GGTGGAGATT
287301 TGGGTGAATA GCACTCCAGC CAGGGGATA GTCAATGCCA GGCCCTGGG
287351 CAGGAGCATG CCCAGTGATC AGTGCTGCTG AAGTCCCCCTT GGTCCCCCA
287401 TACCCCCCAC CTCTCTTGTGATC GTCACCTGTG TGGATTGCT GGGCAGGTGG
287451 GCAGGGCTGA CTGGGGTGAAG GATAAGAAAG ACATGAACCT TGGGTGTTGA
287501 CACTTTCTTG CCCAAAATGA TTGGATTAA TTTTTTTTTT TTTTTTTTTT
287551 TGAGACGGAG TCTCGCTCTG TCACCCAGGC TGGAGTGCAG TGGCGTGATC
287601 TCGGCTCACT GCAAGCTGTG CCTCCCGGGT TCATACCATT CTCCCTGCC
287651 AGCCTCCCGA GTAGCTGGGA CCACAGGCGC CCACCCACCAT GCCTGGCTGA
287701 TTTTTGTAT TTTGGTAGA GAAGGGGTTT CACCGTGTGTA GCCAGGATGG
287751 TCTCAATCTC CTGACCTCGT GATCCGCCCG CCTCGGCCCTC CCAAAGTGCT
287801 GGGATTACAG GCGTGAGCCA CCACGCCCGG CCAATGATTG GAATTGAGA
287851 AGAATAGGAG GAAGATCAGA AAACAGGTCT CGGAGCCCGC ACAGCAGACG
287901 AGGGCTGGAC TACGTGAAG AGCTCATTTC AATAATGGGC TCAGTGTAC
287951 TCATGGAGAG GGCCCAGCTT CACATCTGC CAGCAGTGTG TTGACAGCAG
288001 CTGCATCTGG GAGGTGGATT TCAGGATGAT TTATTTCTT TTTCTTATA
288051 TTTATTGCA CTTTCCAAGT GGTTCTCTGA TGGGCATGTA TTTCTCTAG
288101 AATTAGACAA ATGTTGAAG CTGGAAGAGG GGAGGGAGCC TTTAGCTGAA
288151 GACATGTCCG GTGGTGTCCA AAATGCCAG TGCTTCACAC AGCTAAGTC
288201 CTCCTATCTG ACCCCACAGT GAAACCAGCA GGGGGCAGGA ATGTAAAAAT
288251 AAAACTGGAA TTTGGTAACC TATGACTTTG ACACACCTTG CTAGGAAAT
288301 ATCTATCTG GAAGCCAAGG CCAGCTGTGA GGGAGGAAAT CTATCCAGGG
288351 AGACTGAGCT GGAGGCTGCA GCTTTGGGGC ATCTGCCTCT GGGGGCTGGA
288401 AGAAGGCAAG GAAGGAAGTT TTCCCTCCCC CACTCCACCT CAAGCCCTGT
288451 GGAATTGCGA TGACAAAGGC AGGGAGTGA GGCAGGGAGC CACCAAGAGG
288501 GCAGCCCTTG GAGATGAAGG CTCAAAAGCC TTTCCAAAAA GCGAGTTGG
288551 ACTTGGGAT CTCGAGTGTAT CATCTGCACA GAAGCAGAGC TCTGAGCATC
288601 AGGCTGCCCT TCCCTCCAGGG TCCACGGCCC TTCCCCAGTG CTGTCGGCA
288651 CCAGAGGAGC TCAGTAATTG CGGACAAATG ACTTCATGAT TTAAGTTGG
288701 GCAAAGTTCT CTCCTGCAAC TCATTAAGC ACAGTTGCTC CTGGGTAAA
288751 GAAGGATTAA AGATTCTGTT CCTGGAATCC CTTGGTTCAT CTCAGGACCC
288801 CAGTGGCAAG CTTGGCCCGG GCATGGAGTG CCTCAGTAA AGGGAAGAAA
288851 TGACGAAGGA AGTTTGAAAC AGCATGATGT ACAGGTGCCAC ACACCTCCCC
288901 AAGGCCCTGG AGGCTCTGCC TGGGTTGTCC CACTGCCCTC TCCTGCCTGT
288951 CTTGTTTCAC TCTCCACCTG ACTCAGCCCC TCTAGCCCCAG CCACACCAGC
289001 TTTCACCACTG CTCCAGACGT GCCCCACCAT GGCTCTGCA CGCGCAGTCC
289051 TGCTCCTGGC CTGCTCTTCC CTCTGCTTCC TCCCACAACCT CCTCCTCCTA
289101 CAGGTCTCAT CCTGAACATC CCTCCCTTGG CCTCCCCACCA CAGGCACCCA
289151 CAGTGGCCAG GACTGGAGGG TGCCCAGCAT CGGGCACACA GTATGTAAAT
289201 AAACACTGGT AAAAGGATGG GAGTGGCCTG GACAGTGTGG GCCCTAGCAG
289251 GGGGTGGGAC CGTGGGCTCA GGGAGCTGAT GCTGGAGACC TGGAGGGCCC
289301 ACCCCCTTCC CCCAGAAGAT TGACTTCTAG ACCTGCACAT ACCTTCCTGA
289351 CCAGAAGGTG TCTGTTGGGC AGTTGCCAGG GTGAAGCAGC CAGAAGTCTG
289401 CTCTCACAGG CAGCTGTGAG GATGTGAGGT GGGGCCGAGC CTGGGGAGGA
289451 TGCTGCAGCA CCCCCACTTCC ATCCCAGCAA GACCCACCTG GATGGTTCC
289501 CCCACCTGCC AGTGTGAGG GTGTTGTCCA GCTGAGACCC CCTGCTCACA
289551 GGGGGACGCC AGTCCGTGTA GCTCTACAGA CTTGAGAAAT GGGTTTGC
289601 GCTGGTGACC CCAAGAACTC CCAGGGCGCT CTCCATGCTT AGGCCAGCCT
289651 GGCCACTGGG GTCTGAGAC GAAATAAGAG GCTCCCAGAA AGGAATCTT
289701 CCCAGGGCAG CAGGCAGCTC AGAACTGGTT TACGCCAC CAAGGTCCAG
289751 GAGGAAGGTT GGGGGGATCT GCAAGGATGG GGCATCCTGC CTTTTGACC

289801 CAGCCTGTCC TCACCTTCAG GTGGCCCTGC TGCAGCATGT TCTTCGGAGC
289851 CTGATTGTCC ACCGGTGTCTT CTGAGTACAG CCTCTTCCTG ACACCATATC
289901 CACCTGCTGT GTACATCAAT TTTTCAGTAT CTGGGTATAA ATGCCCCCCA
289951 CTCCAGGAAG TCCTGGGGC TGCAGAAATG CTGGCTCCTG CAGACCCCTCC
290001 ACACAGGCAC ACATCCATCT CCATTACCC CAGCAGCTGG CCCCACCTCC
290051 ACTTTCATTC TGTAACCCCA CTTCTGGTCT ATTGCCCAGG ACAAAATTT
290101 AGCCTCTTTC AGGGAGTGAG GAGCTAGACT CAGGCAAAC TATTCCCTC
290151 CTTCCCCAAA ACTTATCCTT ATCCAGGCC AGAAAAAGGA AAAACCCATC
290201 AAGTTTGTA GGGGCACAAA GCCACTATTT TCAATGCCCT GTAGCTCTAC
290251 AGACTTGAGA ATTGGGTTG CCAACTGGAG GCCCCAAGAA CCCCCAGGAA
290301 TCAATATCCT ACCAGGCAAAGAGGGATGC AAGCAAGGTG AGGGTGTGGG
290351 AGAGAGGCAGT TCTTGTAGA GCATGAAGAC TCCCAGAGAG CAAATAGATC
290401 TGATTATATT GAACACAACA ATTGATT TCTAAATAA ACATGCAGGA
290451 GGAAATGGCA ATGGCCTACTT GTTCTGACA GAAATCAATT GACCCCAAAT
290501 TGGAGAAAAA TCTGGAAATA CAAACAAGCA CAAGAAAAAG TGTTGGGCT
290551 GTCCAGGCTT ATCAAGGGAG GGTATGAGGG AGGAAAAGAG GAAGGGAGGA
290601 AGAGAGAAC AGACAGACAG ACTTCCCCAT CATCCCTTTC CCCAGTAG
290651 CTTCCCTGAT GATTGCTCTT CAGTAATGT GTTCCCTATA ATGTCAGGG
290701 AGAGAGTAGC TATCATGTTA TGAGCCTTA CTGGGTGCCA TGCTGGTGC
290751 AAGGCCTGTA TGTGCACATC TTACTTAATC CTCGTAACAA CCCCTGTGG
290801 GAGGCACTGG TATCTCTGCT TCACAGATGA GATCACTGAG GCACCCCTGCC
290851 CAAGGCTACA TGCCTGATGG CAGCAGAGCT AGAGCTCAAA CCCAGGGAC
290901 CTCAGAGCTC ATGCTCTCTA ACACCTCTT CTATTGACTC TCCAACCTTG
290951 GGATATTATC TCAGGCCCTA AACTGGCCTT GGAATTAAGG AGAAGAGCCC
291001 CAGGCTCCAG CAACCCATTG GCCTTCACCC TGAATGGTC AGTGAGGAGC
291051 CCATCGTAT TCTCCAGGAT TCAGCAAAGC CAGGCGCTGG AAGTACTCAT
291101 CCCCCAGGGAA GTCGGGAAGT GGGGCTGGAG GGGCTGCCCT CTCCGCTGAC
291151 ACTCCTGAA TCCCAGTGT TGGCGTGTGC CCTGCGTGTAT GTCCATCCTA
291201 GAAGCCGTC ACCAGCAAGA TAAACTGTGC CATGCTGAA TGCATCCCAG
291251 GCTTACTTC CCCAAACACT GCATGTTCT GATGCTGTT AGCAAGCGCG
291301 CCTGGGATAA AACGAGCTGT GTGCTCGGT TTAACGTTG TAAAGCTTCT
291351 TTTGTTTCT TGGTCATAGA CTTGTGTATA TGGTTGTTT GAAGTAATCC
291401 AGCTCTGGGA GGGTGCCTAA TTAACATAAG CAGGGCTTAT TAGTCCTGTT
291451 AACTAAAATC CCCTAATCTA GGAGGCCAAG TATTCAAAG CAGCCTTAA
291501 GGTAGGATTA AGGCAAAAC CAGTGATTAC AAAATGGAAT TGGGGTAGC
291551 TTTCTAAAG CCTCTGTGGG GCTGCCGCTA TATATTCCGC TGGAAAGAATT
291601 TCCCATTCCA TCTGGCAGTC ACTCTAGTCT GGCTTGAGT GGTGCTAAC
291651 AAATATTGT CAGATGGAC GATTCCCTC AGCATTTGCA TCATGGGCAT
291701 GCATCCATG TTCCATCAAT ATTATGGGA TGGATTGGT AGCAGAACAC
291751 AAACAAGTCC CATGACGAC AGTTGCACCG TGCACTGCAC ATAGTGAACG
291801 CCTGGTGGCT ATTGTGAGT GAGATGAATG GACCAGCGGC AAGAATGTT
291851 TCTCAGGACCC TCTCAAATAA ATAACCTCAC CTTCTTTTC
291901 AGGTGACACG TGCACCATGG CGGCTACGC CGCCTGAAAG AATGCTTTC
291951 TGGCACTCCA GACCCGTCTG CAGCCACTCC AAGAAGGAGA CAGCAGACAA
292001 GACCTGCCT CCCAGAAGCG CCTCTGGTG GAATCTCTGT TCAGGGACTT
292051 AGATGCAGAT GGCAATGGCC ACCTCAGCAG CTCCGAAC TGCTCAGGTGG
292101 GCATCGTGT CAGTAAAGT CACATGATGG AGGAATCCAG TTTTCCATT
292151 CCCACCCCGG CCCCCCTGGTG TCTAAAGAGCA TGTGTTCAAT ACCTCTGAGA
292201 ACATCTACA AACAAAATGA GGTCAGGTTC TTCCACCCAG CCACCTTTAG
292251 CCTCTATTTA CAAACAAGCT TTCAGGCCCT CTCAGCTATC TGGCAAAAAA
292301 CTCACCTTCAG AGGGCCTGGT CTCTGATGTT TTGACTAGGA AATCAATCTT
292351 TTCTCCCTTG AGTAGGATTA GTTACTCAGC AGAAAAGTTA CAAGGAAGCA
292401 GTGCTTGGTT TCCATTGAAC ACCATTGGAG CTATAACCTG GAAGTCCCCA
292451 AGTCTCTAC CTTAGGACAT CACTGCTCT TAGTATCCAA AGATCAAGAA
292501 CCCAAACCTC GGACTGCTTG TTTGCAGAAA GCCCTGTGTC TACCCGTCAA
292551 CCCCCACCAA GCCCTGCTCT CATTGGGAA AACACTTGCA TTACACCTG
292601 AGGTTTGCT CCCTCCCCCTG AGACTGCAGT GTTCAACACA GCACACATGT
292651 CCTTGTGCA GCTACAAGGT GGAGCAGGG TAGTTAGTGT CTGCAACATA
292701 GAAAGCAAGG AAAGAGTGAC CTCACACT GGGGCCACAG CCACTGCCAG
292751 TTGCAGGGAG GAGCCTGTAG GGTCTGATG GTAGAAAAGC TGGGGTGGGC
292801 TGGAGGGGCC TGCATTCCCTA CTTCTGCTTA CTGGTTGTT TCTAAGGGTC
292851 TGTAGCCCTA GAGCTGCACC AGGCAGGTAC AAGATCTGCA AGGAGAGTGA
292901 GATCAGCCTC CCTGAGTTGG GTGGTGGGG CGGGTGGGCA GCCTTTTCT

292951 TGTGACCACA GACTGTCCAC CCAGTGGATG GATAATAAAAG ACAGGTCCCC
293001 ACCTTGATG CCAATTAAA GATATCTAA ACATGGCACA GGGACCTTCT
293051 CAAGGCTGTG GCCCGGTCAT TGGGAAGAAG TGGGGTGGGG AGTGCCTAA
293101 CATTCAATTGA GCCATGTGCT TGACATTGAG CTAGGCCCTT GACCTATGAT
293151 TAATAAACAC AGAAGAGTC GTTGTATGT AGGATAGTGG CAAAGAATGC
293201 AGACTTTAGA GTCAAACATGC CTAAGGTCAA GTGCTGCGTC CAGCATGTAT
293251 GAGCTAGTGG ACCTTGGGAG ACAATGTCGT TTGCTGTGTC CTCTGTGTT
293301 AGCTGTGAAC CTCACAGGGT CATCATGAGG GTAAATGAG CTAAGATAGT
293351 GAATGGCTTA GAGTGGTACCC TGGCATGTGG TATGTTCTT TTTAGACAT
293401 GGTCTCGCTC TGTCAACCCAG ACTGGAGTGC AGTAGCGCAA TCTTGGCTCG
293451 TTGAGCCTC TGCCTCCCAG GCTGAAGCCA TTCTTCTGCC TCAGCCTCCC
293501 AAGTAGCTGG AATTGCAGGC TTACACCACCA ACACCCAGCT AATTGGTCA
293551 TTTTAGTAG AGATATGGT TCACCATTTT GCCAGGCTGG TCTCAAACCTC
293601 CTGAGCTCAG GTGATCCGCC CACCTGGGCC TCTCAAAGTG CTGGGATTAC
293651 AGGTGTGAGC CACTGTGCTT GGCCACATGG TGTGTTCAA TAGAGAGGTC
293701 ATCAGTATTG TTGCCATCAT CATCATTAA ATTATTATA TTTCTCCTT
293751 AAATCTTCG ACCATCCTCT GCTGTAAAGGA GGGGACGACT ATTATCCAC
293801 TTCACAGAAAT ATTTCAAGAT GAGGATACTG AGGCTCTAAG AAATCAGACA
293851 ACTTGCTGA GTTGTTCACT GCCTGGGACA TGATGAACT GAGATGAAAC
293901 CCTGGCAGGC TGACTTGAT GCACCTGCTC TCCTCAGGGC ACTTGGAAATC
293951 TCCCTGGAGA GAATGGCTCC CACCAAGAGG CACCACATGG TTCCCTCAAG
294001 GTCTGTAGGG ACAACAAGTA CCTCCAGAAC CCTAGTAAGG AGTAGCCACC
294051 AGAAGCTTTG GAACATAGGC CCTCCGGTCCC AGCCAGTCCT GAGCCTGCTT
294101 TCAGGAAGCA CGTTGGGAAT CTCAGATGAC TCTGCTCTGT TCACTCATA
294151 CTGAGTGGCT CGCGCAAGCC CATTCAAGGC CTGCATCCCA GGAGGCTTGC
294201 TGCCCATGGC CCCCCGGGCA ACCGCCCTGC CAGCATGTCA CCACCTCCAT
294251 CAGCACTAGG CCCCCAGCTCT GGCTAAGACC CTGAGGGGCA GGGCCAGGG
294301 CCTGCAGGTG ACTCAGGCTG CTCTGGAAA ATCCCAGGTC CTGATAGTT
294351 CAGCTACTTG CAGGAAGAAC CACCTGGCAA TTCTCAAAC TACCGAGCAG
294401 GGAGCACCAA GGGCAGGTGG CATCAGCTTG TCTTGAACAG AAGCTGCTAT
294451 GAGCTCTGG TATCCAGGCC CACATGGCTC CAGGTAAACA GAGCCTTACC
294501 AGGCACTTCA TTCTAACCTG GCAGATATGT GGCCTGAGGC ACCTGAAGCC
294551 ATTAACAAGC GTGGTAATTG GACAATGATT TCCCTTTAA AATTAAATAT
294601 AGTTAAAGTC CATTCAATAA ATCTGCCAAG CAGAGCCCGG CTAAAGTGGG
294651 CCTTCCTTG ACACGTAAATC AAAGGTGCTG GGGAGAACT TGTCAGTCCT
294701 ATAAAAAGTT AATCAATTTC CAATGCAGAA ATAGACAAAG GGAAATTCC
294751 ATCTTGAA GATTGATCTC AGGCATTATG GTTGATCTCC CTTTTATCGA
294801 ACACCTTAC TTGCTTGGTG AAGGGTCATT TTTTAACAT TATCACATTA
294851 AATTGCCTT AATACAGCAG ACCAAGCTGA GAATGTTAAA TAAAGAGAAA
294901 ATGCCTCTGC CCCCCCTCCC CCCACACCAA AATAAAATAA AATCATTTC
294951 TTCTCTGA GATTCTCTTG TGAGCATTTC CCCCTGCAAG ACCTTCAGTT
295001 CCGAGCACAC TGGCTTCTGG CTGTAGCTCC AGCTGAGTGA GGGTGCCTAG
295051 AATTCTTAC CTTAGTTAC TTGGGACGTG TGCTGATCA TGCTGGCAG
295101 CCTCTGTGTC CTATGGCTCA GACCACAACC AGAGAGGAGT TTACGAGAGC
295151 CTATGTCTGT AGCCTCCGTG CCAGAGTCAC AAGGGTGGAC ATCTGTGTCC
295201 TGGCAGGAC AAGGCAGGCA GGGGGAAAGC TCAGGTCTAG GTGGATAGAA
295251 CGGAGGGGTC TGGGAGTGTG CTGTGTCCAG GCAGCACTGC CTGCCATGGG
295301 TAAGGGCTGA TGGGTGGGTG CATGATGCAG CAGTGACCTC CAGCTCTATG
295351 CAGCTGGAAG CTGGCAGACC TCTGTCCCCA CACTGAGTTG AGCCACTGTT
295401 TGCTGGTTT ATCCGATGGG GTCTTTCTC TCCTGTCTCC CCATCTATAG
295451 CACACAGCAG TAGAGCAGGT GGCCTCAAGG ATTCCCACATCT TAGACTGTCT
295501 GGGTCTGTCT GCCTAGACAA GGAAAAGACA CACCTGAGCT CTAGTCTAGA
295551 GTCTGCCCA AGCACTGTGT GAACCTGGGG AAGCCACTTC CCCTCTCTGA
295601 ACCCCAGTTT TCTCATCCAT AAAATGAAGG AGTCAGACAA GACAAAATCA
295651 AAGAGCTTCA GGTACCCCTC AAGGCCACT GAGCTGTCCC TGGATTCCCT
295701 CTTGGCCTGA GTCAATTTC TCAATGCCA TGACTCTAAA CTCATCTGAT
295751 TCTGGCCTTG TTCTCCTCTC CACCCACAG CATGTGCTGA AGAAGCAGGA
295801 CCTGGATGAA GACTTACTTG GTTGCTCACC AGGTGACCTC CTCCGATTTG
295851 ACGATTACAA CAGTGACAGC TCCCTGACCC TCCCGAGTT CTACATGCC
295901 TTCCGTAAGT TGGGTCCAG TGGGAAAAGG GCTTATTCT GCAGGTGCTT
295951 CTGCACCAAA ATGCTGTGG GTGCTGGAG TCTGTCTCA GTTGTCTCCC
296001 AGGTGGTTT CTTATACAGA GGAAAGCTGG TGAATTGTGTT CTGCAACAAAG
296051 CCTGAGCTTT AAGAAAAGAC TAAACGGAGA GTGGATGGGG CCAGAGAGGG

296101 CTTGCCCTGT TCCTTTAA TAAAGATTT TCTCGCTCTT TGAGGGCCC
296151 AGGACTGTAA TTGAAGCATA GCTGTGAGGG CACTGTGAAC ACCCTTGGG
296201 GGTTCTATGA CTGAAGGAGA AGGAAGCAGA TTTTAGGGCT ATCCTCAGGC
296251 TAGGGCCTGG CCATGTGGG AGCCCTACCT GGAGAAAAAC ACCCTGCAGG
296301 AGGGCCTGGA GGCTTGGCCA TGCAGCGGCA GGGAGCAGTG ACTACCAAG
296351 GACAATGGAG AGTGAGGGTC CAATGTGAAG AGAGGCAGGG GATCCCTGGA
296401 GAAGAAGGGA AAGTGGGTG TGTTTAAAA CAGAGGAGGT ACTCTGAGTG
296451 CCCCTCCAAA GAGTGCCTCA TGCATATGCA AGTGGATGGG ATGCCTTCAG
296501 GACCTGTATC TTTTACTTGA GGTGATCTTC CAAGAGATTA CATTAAACAG
296551 AGGTGGTGC GGGACAGGAC TTACAAGAAA TCGAAGATAC AAGAGCCATT
296601 CGTAGCTCCA GGCAGGGGTC AGCAGAGAGG AGAGGAAAGG GCAGTGCCTGG
296651 GCCCACGCTG GAGACTAGAG GGGACATCCT TGGCCAAAAG GAGATGAAGC
296701 CCCCTACATT AGAACATGTT CAAGCTCTGC TTAAAGTGGG CAATGCATAT
296751 ACCCTGGGT GTGACCTGCC AGCTCACAGT TCCTAAGTGC AAGCCCTGGC
296801 ATTCAAGAGG TGGGTGCAAG CCCACCCAC CCCCAGGGGC ACTGAGTACC
296851 CTGAGCCACA GAGCCTGGTA TCCTCCCTCA ACCCCAGCCT TTACCTGGAC
296901 TCCCCTTTTC CAGCAAAGTA TTCCCTGCTTC AGAGTGACAT CTCTTGGGC
296951 TGTGCTATT CCACACCTTC ACAAGGCCTG AAAGGGATC CTTGTGATTT
297001 GTGGCAAGA AGGGCTCTG TGGCAATAG AGAGGTACTT GGATGACATA
297051 AGAGGAGAGA AGCAAGCATG ATTCTCCCT ATGGGCAGTG TCCATGAGCT
297101 TGACGTGGTT GCAGGGGCCT TTCCAGTTCA TATCATCCTT AGTACCAAAG
297151 TCCACCCCCAG GTTCCAGAGC TTTGCTTGAT TTACTGTGAC TGTGCAGGGT
297201 CCCCGTCATC CTCCCTCCCCG CCCACTAGTC AAACCTACATC CTGCCTATGT
297251 TGGTCATAA TAAGGTGAGA GTGACTGGTA GGCTTATCCT GCTGCAGGAG
297301 TGGTTGTCTT GTGGGCCAAA GAGATTATTT CCAGAAATGC ATTTGGAATG
297351 TGTGGAAGTA TCCACAACATC CCCACACCTG GTTCATGAGA GCTCATTTGTT
297401 AAATTTTCAG GAATTTTACA AGCAAACAGT TAGACACTTG GTCGCTTAA
297451 ATTGGCCACG TTGAGAATAT TTACATCATA GAAATTCAAA CCACACATAT
297501 GCTACCAAAA AGGGGAAGGG GGGACATTT TTCTTCTCTA GGGAGCCAGT
297551 TGTTATACAT TGACCTGCAT GTCACTGGAC AAGACCCCTCT CTCCTGCCCT
297601 CGGAGTCCAC TTCTGGCAAT ATCTTCCCCA CCCACCTCCC CTCACTGAGA
297651 CTCCTTGATG ATTCCATGGA ACATGAACAA CAGTAGGCTC GAGCAGCTAG
297701 GGCAGGTTAC AGGAACAGCA GCTCTCTGAG TCAGGAAAGC AGCAACATGT
297751 TCTCTGGGA TAGTTCCAAG ACATTTCCAA AAACACTCTC TGAGCCTAGA
297801 CCCCTCTGCC AAAGGAGTA TGAAGGAAAA GCTCAGTGCA TTTTAGAGC
297851 CAGAGGCCAA GACTGGACCT CAGGGATTG TGGGGCATAAC CAGGCATCAT
297901 TACTTAATGT CCCAGATGCC GTCATCAAGC AGATTATAGC ACTGCTTGGG
297951 CACCATCTTG GTGCCCTGTA CCATAGCAGC CTCTGCTTTA TGAGCACAGT
298001 TCCCCTGAGT GGGTCTGGG CCAAACAGCA TGCTCTGGC TTTGCTCTCA
298051 AGGAAATGGA AGCATCCCTA TTGCCTATGA TGAAAGAGAA GGCCTCTCCA
298101 GCTTCCCTAG TAAGGTCTT GTAAACATGA GCTACCCCTGG AAAGGAAAGG
298151 ACGTCTTAC CTGACCTCCA GCCACATGTC TCATACAGAG CAATGTTG
298201 TCAGCTCCCT TCGTTCTGG ATTATTATTT GAAAAGCTT ATAATCATCA
298251 TTTTAAAGC AAATTAGATT CTGCTGTCGC CTGGACTTG TTTGAACCA
298301 GACAGCCAAA CCATTCATCA CAGCCAGCC CAAATAATAG ATATGCAATA
298351 AACGTAACAC TCACAGCCAT TAAGGAAGCC GCAAAATGAG TTAACCCCCA
298401 CTATAAAGGC TTGACATGCA GCCACTTGGA GCATACGGGG ATCAATGGTT
298451 TTTCAAAGTC ACAGGAACTC TAAACTAAAT TCCCCTAGCT CTGGTAATAG
298501 ATTATGGTT CAGCGAATT TAAATAGGT ATTGAAATGA GACATATAGG
298551 TACAAGTTAT TACCCAGCAA TCGATGGCA TAAAGGAAAT CTCACTAAAA
298601 CCCAGAAAGT AATATCTCAA ACATTCAGC AAAACACATTG TGGATTTAAT
298651 TTTAAAAACT AGAGCTGATG GGCTGGCAGA GGTTGAGGCA TTAGCATT
298701 ATTTCTAGT CTCTATTTG CTGGCTCCT TGTTGATAAG GCAGGGTGAG
298751 GTCTGTGGGG TGACTCCAGC TCAGTAGCCT ACCGATGCGG AGTCAATCGC
298801 TTTACTAAAG GATGATGGGT TTGGGCTGT TGACCCAGA GAAGGAAGTT
298851 GTATTATCA GTTTTGAGG TTTGTGGGG TGTTCTCCTG AATCATGTCT
298901 TCCCCTGAG CTGGCCTGGC CCTGGCTGG CCATGCTTGC CACAGTCTGC
298951 AGCTGGTGGGA GGGTGTGCT AGGAGTCCCA CAGCTGGTGG ATGTCTGTGC
299001 TGAGCTGGTT CGTGTGGGG CTGTACCCCTT TTCCCTGGCTC TGAGGAACAG
299051 GTGACTCTCC TCCAGGGTGG CAGGCAGTGC CTAGTCATGG GAGTCAGTTA
299101 AGTCTCTTTC TGATTGTCAAG ATGGAGCCAA GGCTCCCAAT TGCCTCTCTC
299151 TGTACAGGGGA CAGGAATGAA ATATGAGGGT GCCCCCACCTT CCTCCTTTG
299201 TCAACTAAAC GTTCTCTTGT CATTGTTTG GCTTCCCAA CCACAGGCTG

299251 ATCTAGGAAC TAAAGGCTCA GTGTCCCTCT CCAGCAGTGC CCTCTGCCCTC
299301 TCCTTCCCCA CGCCACCCCC CACCAACCCA ACAAGGAGTA GTGCCACCTG
299351 TCCCTGCCAT GGCAGAGACC CAGGCTCCAG GGTCAACCATA AGCAAGGTGT
299401 GTGCTGGCCC TGTCTGTTCA TCACAGTAAA TTAACCTCAA AGTTGCTCAT
299451 CTAAAAAGCT TCTTGATGAT GCATGGTTT TGCACTGTT TGAGTGCTCA
299501 GGTGGGATC AGGGGAAAAC ACGTTGCTAA ACAAGGATT TTTCTCACTT
299551 CAAATTCACTT GCAAGTTCT TCTGCTTTT AGAAAATAGT TGTCTTTA
299601 ATTACTCCTA TGAGATCAA GCCCCACGAAT GTGTTGGATG CATGGGAAGG
299651 TTTGAGCAG CTAGCAGATA AAGGGCTTC CGTGTGAAGG TCCGGTGACC
299701 ACACAGGCAG GGTGTCAGGA GGACCTGGGG TGCTGAATGT AGGGGAGCCA
299751 GACACCCTTC CTCACCTCTG ACATGTGTA GCTCCAGGCA AGCAGAAAGG
299801 AAAACAGTGT TTTCATCTAC AGCACTACCA CTACAGCCAG GGCAACTCTA
299851 TGAAACAGAT GATATGGTCA CCTGGTGAAT TTACATCTGT TTTTCACCA
299901 TCTCTGTTGC AAAGTGAAGG GATGGTGCAG TTGCTTTAC CACACCACTA
299951 TCCTTGGAA CTAATAGTGC CTGGCCCCAT ACCAGACTTC CACACATGCT
300001 ATCTCAGCCA ATCCTCACAC CCACCTTGTG TTGAGCAGGA TGGTAAATA
300051 AGCAACCGCA AGCATCCTCA CTACCCAGAT CTATCTGGCT CTTTATCTAG
300101 GTAGGGTGGAG TTCAGACAAG GAGCTTAGAT GGCAGGATA CTGCTTTGTT
300151 CTACTCCATT TCATTCTGA GTTTGGATA GTAAGTAACA AGATTTTAAA
300201 TAGCATGGGG TTTCATCAAAATTTATCTG AATTTACTTG GCTCTTGAAT
300251 TTGGAGAGCA AGCAATGCT ATGGGCTGGT TTCAGTTTG GCTGAAGCCA
300301 AGACCATGGG TGCCAGTGAC TCCCCCTACC CCAAAGGAAG ACACTGGTTT
300351 TCCCACACAG GATTTGCAAA TAAAGTGGCC GAAGAACTGA TTCACTGCC
300401 TTGGTCCCTC ATTTTCTCAA GGGCACAAAA CAGTTAAAGC TGGAGTGGCC
300451 AAGGGAGGAA TTGAAAATG GCAGACAAGG CCGGGCACGG TGGCTCACGC
300501 CTGTAATCCC AGCACTTGG GAGGCCGAGG CAGGCAGATC ATGAGGTGAG
300551 GAGATCCAGA CCATCCTGGC TAACATGGTG AAACCCCGTC TCTACTAAAA
300601 ATACAAAAAC TTAGCCGGC TTGGTGGTGG GGCCTGTAG TCTCAGCTAC
300651 TTGGGAGGCT GAGGCAGGAG AATGGCGTGA ACCCAGGAGG CAGAGTTGC
300701 AGTAGTGGA GATCGCACCA CTGCACTCCA GCCTGGCAA CAGAGCGAGA
300751 CTCCATCTCA AAAAAAAA AAAAGAAAA TTGGGAGACA GAAGGTGTGA
300801 GTCTCACCAC CTCCTCCAG AGACAGAGTT GGGGGTGTG TCCTGACTTC
300851 AAGTACATAG AGAGGGCTTC AAGGAGCCCA CTCCACGTG AGTCTCTGA
300901 GGCCAGCGCT GGAGGACAGG GTTCACAGTC AGTGTCCAT TTGAATGACT
300951 TTGCTTGTCA ATATCGCCGT AGTTAGTAAT AGGCTCTTAG TACTCCAGTT
301001 GTATAAAAGTG ATACCCAGCA TTAACTTGT GTCAGCACTG TACACTATGT
301051 CCAGTTTCAC AGATGAAGAA ACTGAACACT AGAGAAGTAG CTAACCCAAG
301101 ATCACATAGT CAGCAGCTAG CAGAGTCAGG ATTAGTGGG CGTGTCTGAT
301151 TCTAGAACTT TCTCATGCAT TTAAACAAAC TTGCAACAC ATCTGCATT
301201 TCCGTTGAAG AGAATCTCAC TGCCCTCACA GTGATTTCCC TAAACTCTAA
301251 GCCCCAACTC AATGGTCTC TCCTCCAGGA GTCTTTCTC AATTCTCTT
301301 TCCTCCACCA AGCCCCACAC ACCTTCTCT GTGTGCCCCAGGCTGGGT
301351 TAACAAGGCT GTGGCCTGAT TATTAAGAGT GTGGACTCCA GAGTCCAAGC
301401 TAGACCTGGT TTTGAATCTT TATTCTGCGA CTGACTAACT GTGTGACTTT
301451 GGACAGTTCCTC CTACAGAGG TTAAACTGGG CTAAATTCTT CCCATCTGTA
301501 AAATGGGAAT ACAACCCTG CACAGAGTTA TTCAAGACT AAGGAGCTAC
301551 TTAATGTAAA GTGATTAGTA GCATGAGACT TTGCTTATAG TAAATATTAG
301601 GCAAACATTA ACCAGGTCAA TGATGGCGG GGTGAGGGTA ATGATGAAGA
301651 TTTCTGTGTG TGCCCCATCA CCCTGTGCCA TGCCATTGTT GTCTTCCCC
301701 CTCAGGGACC ACAGGCTCCC TGAGGATAGA GGCTGCTTCA CCCATCTGC
301751 ACTCTGTC AGCATGGGGT ATGGCACCCA GGAAGGCCCTT GGTCAGAGTT
301801 GCTCATTGAG GGCATGAAGG ACATGGAGAA ATACATGGGG CAAGGAGAGG
301851 AGTCAGACACA TGCACTGTG GCCAGCGATC CCAGAGGGTC TCTGCATGCC
301901 TCCAGGGGGC CTTGAGAAAA CAGGGCAGA GGAAGTGCCT TGTGGGGCC
301951 CCACAGCTGG AGCCCTGGT AGAGAACAT CAGCCTGGCT GGAGCAGGCC
302001 AGCTGGACAT CCCCCAGCTG GACATCCCTA ATCACTGGAT GAGCAACTGG
302051 GTGTGAGGGAA AGCCCCCTGCT TCTCACATGG GCTAATGATG CCTTATTGAA
302101 GATGAAAGTA ACTCACACTA GAAAGCTCTC ATCCCTGACCA GAGGGCCGCT
302151 AACTGGCCAT TCAACCCCTCC TCAGAGTAAG TGCTCTGGTC GGCTGGCAGG
302201 CTGCGTAATT ACCTTTACCT CCGGCAGCCA CGTATGCAGA GGAGGGCTCT
302251 CGCTCTAGCCC GCTCCTCAGC CCTGCGTGC TGCTGGCCTA CAGCCACATC
302301 CCTCGTGTG CAGCAGAAC CAGCAGAAC AGCCCAAGAC CAGCAGCCCC
302351 ACCGGGCCA ACTCCTGCCA CCTCACCTGG AGGTCAAGCTT TGCTGGCTGT

302401 GCAAATCTGC ATACCTTCTA AATAATTAT AGGCATAGAA TATGGGTTTG
302451 TATTCCATG CTGGGCCCTG GCAGGCTGGC AAGGCAGGCC TCTGGAGCAA
302501 AACCGTCAGC CACAAATACC CAAGCTCCCC ACTGCAGGTG AGGACAAATG
302551 CGGAAGGAAG ACCACCGTGG GAAGGCCAGC GGGTCCGCCCG TGAAGCTACC
302601 GTAGGCTGAG GCTCTCTGAA AGCAGGGTGA GCTCCTGGGC AGGGAGGGAC
302651 AGGCCCGTC TCATCTCCA TCTGTACACT TGGCGTGGAG TGGCATGGAA
302701 GAGGCAGGCC ACCAACCTGA GCCTTCAGA GGAACCTGAC CAGGGCAGGG
302751 AGAGCAGCAC AGGGAAAGGG TGAGGAATTG AGGTTGGGAA GCATAAGAGG
302801 AGGAGAACCA TGAAAGATGA GGTGGTGTGA GGTCAGCAAA CGCACACAGA
302851 GCTCACTCTT GGGGAAGCAC TGCGAGAGA CTCAGCTGTG AGCAAGACCA
302901 CAGCAGGCC TGCCCATGGG GAGCTTGCA CCTGGGTAGA GAGGCAGCGG
302951 GTAGAGAGGC AGAAAGATGA CCCAATAAAC AAAGTAGGAG CTGAGAGAGA
303001 GCGTCTGGG TGCAAGGAGG CCAACTGTCC CAAGAGGTCA GGAAGGGACA
303051 TCGGAGTGGA TACCTGAACG CCGAGCTAGA GATAACTAGG CAGAGGGTGA
303101 GGAAAAAGGT GTCCCAGGCA GGTGAGGGGA GCATGTGATC CCAAGGGACA
303151 AGGGGCTGTA CTGAGGGAGG AGGCAATACC CAGGGTAGAA AGGCCGCCAC
303201 CACAGTTAGG GCCCCGGAGG CAGAACTCAG ACTCAGAGGC CAGGGCTTGG
303251 AGAAGGCCAG CTTAGCTCGG CTGTGAGGGG GACCCCTCCCC AGCCTCTCCA
303301 GAGTTGCCCA GTGAGTGGTG AGTCCCCATC ACTGCAGGTGA TGCCAGCCTG
303351 CAAGCCGCTG GAGAGGGGAC TGAGTATCAG CTGGAGAGCT GGACTTGGCC
303401 TTGAAGGCC TCCGGTGTAG ACTGTGGGA CAGACATGCA ACCAGAGCTG
303451 TTATTTAAGA CCTCCTAGGA CCTAAAGCTG TTATCTAAGA CCTCCTGTAG
303501 TTCTGGGTC TGGACTCTGT CCTTTTGGC TCTCCCTTGC TATATAAAAGA
303551 CAGAAACACA GCTGAGTGC A TGCACTGC TCCACCTGCC CCTGCTGTGC
303601 AGGAAAAGTT GTCAGGAGCC CCTTGGCAAG TGTCTGTAGA GTGACTCATC
303651 TGCATGAGGA ACAGGGGTGG CAGGAATGGG GCCCCCATCT GTGCACTGGG
303701 GTTCTGGGTG GAACAATCTC TGTCCCCAT TACACCACAG AGGGCTCAAT
303751 TCTGAACCAG AACTGTATGAT TGCTGCCAG TGCACTGC ACCAGTTCC
303801 TCTCTCCCA CACTTGGAAAG TTTCAACCC AGACTGCCCT TTTCCCATCT
303851 CAATCGTTA CTTCTAACAG CTGCATGGT GGACCGGGCA CTTTCTAGTC
303901 ATTGTCTGGA GCTGAGTCTT CCAGCACTTT CCATTTTAA AGATCCCAGC
303951 TGGAAAGTTGT CAATGGCCTC CGTGCAGAGC AATTGAATAG CAGAAAATGA
304001 ACTAATTACA GGTGTTATT GAAAATCTAT TATATACAAA TTGCAAAGAA
304051 AACTCATTAA AATATGAAGC TTTGGTGATT TTTTTAAACC CTCCTCTTGG
304101 AGGGAGAGGC AGGAACGGGG TGGCTGGAAA CCTTGTCTT CATTATCCT
304151 GGGGTAAGAA CTCCCCCAGG AGCTGCAGAA CAGCCTCATG TTCATGTGTC
304201 ACACAGGCCA GCCTGACATC ATAAAGCTCG AAATTTGCA TGCAAGGAG
304251 AGCTCTCTGA ATGTTAGTAA ATACTCAAA ATGGCTGCAG AGGAAAACAAA
304301 GAATTTCATT ACAAAAGATAT AAAATGAGAA CAATTAAAT GTCAGCTTT
304351 TACCAAGGAT GCACCATATT GTCCTCATAA ATCTCCATGT TTTTGCAAAG
304401 CTTTGTGAG GACTTCATG TGCAATTAAG CACTGAAGGT CACATTCCG
304451 ATTTCTCAGC TTGCTCCCTT GGATGGAGG TGGTACCGGG CTTAGGATGT
304501 GAATGCCCTGA GGCTTCCAGA GCTCACATCT CAAGGGAAAT CTTTGCATGG
304551 CCGAGGCTAC CTCCCAGGCT CCAGGCAGGA GCCCAGAAAC CAAACTGAGG
304601 GTAACAGGGG GTGCCCTCAA GCCCACTGCC TCCTTGGCCT GCCAGCACTG
304651 CCCTGTCTC AGCGTGAGTG TGGGGTGTG GAGCTCTGAG GTACCTAGTG
304701 ATAACCAGGT GTACTGAGGT GTAGAGAAGA CCCACCTTGG CATGCTCTG
304751 AAAGGTAAAC CTTGCCTGAG GTTGTACCG CCTAGGAAGG ATGCTTAGGG
304801 CACAATCACC AGTTCTCTAG CTTGTTGCTC TTTCTTCCT CTCTGGTCAC
304851 CTGTTCTCAG GCTCCATGAC AGTGCCTGC AGAACCCCCAC CACCACTACT
304901 ACAAGGCCCA GCTGTGGGC TGCACGGAA CAAGCTGTGT CCTGGGTTA
304951 GGGAGTGGTG GGGATGTAAG AGGAACCTCA CTACACCGGG ACATAGTGAC
305001 TGACTGGGTG AAGAGCTGTG GGCCACACTC AGGGCCAGGG CACTCAGAAG
305051 CCTTGGCACC AAAAGTGGCCC CTGATAGGAG CTGGCTGGAG AGCCAGACCC
305101 TGGGGACAGA CAGTCCCTGG CTAGGCAGAG AGAGGCATTG GACACCTGAG
305151 CTACTACTGC CTGCCTGAAG CAGCAGATGA GGAGTGAGCT GGAAACCCCC
305201 AGAAGATAAG CCAGTGCCCTC ATCTGAGATT TTCTCAGCAT CAGCAATACT
305251 GATCCCTGCT TATCGTGGCC CTTCTGTAGC AGCTCTTTAG CCCCCAAAGGC
305301 TAAGGAGCAC CTCTTCTAGC CCAGAGGCCA GCCATTCCCC ACACCCCTCAC
305351 TCTGGGTGAA GGACCAAGGC AGGCTGAGAG CAGGAGAGTC GCCAGGTGGT
305401 TGAATATAG TCAGAGGCCA CAGGACTAAT GAGTGTATGC AAAGACGGCA
305451 GCAGGGCTAT ACAGTAACAA ACGCAGGAGG CACAAAAGGA CAAAGGGAAA
305501 GTAGGGGTGA CCTCGAAGAG CTGGCAGGGT GGTTATGGCC CAAGGCTCTT

305551 GTTCCAGCGG GAGGACAAGA CCAGCAGAGC AGGGAAGAGG AGCCTAGCAC
305601 TTTCCATGTG GTGGGCATTC AGCCTGGCAC AGAGTAGGTG CTTGACAAAC
305651 ATTTGTCACC AGGATTAAG ACCATGGTGG ACTTTTTAAA AGTTGTAGTA
305701 AAGAGAAAAT GTTCAGAGCT GTTGTGGCAG TTCCCAGAGA GAATGAAGAA
305751 CAGACCTGAG GGTTCCCCCTT GATGGTGGAA TCATCCTGTT GCCCACGTGT
305801 GGCATGCGCC GGGTGAGCAG CTCACCATGG TTCCACACAG TGGTCTGTGA
305851 GCTGATGGCT GAGGGGCAGA GAGGGGACAT GGAACCTGCA GTCACCCCTC
305901 GGTGGCAC CATGCTCCCG TTTACTCACT GCTGTCTGG TGGGACTCCT
305951 GTTCCCCCA AAGCTGGCCT TCCACGGGAC AGTGCCAAGC CACCCTAGCA
306001 CCCTTATAA CAGAGCATCT GTCCCTTACCA AATGCCTCCC AGAGGCTCCC
306051 TGGATACCAT AAGGGAGGCC GAGGTAAAGAG GTAGAGTGGG ATTAAAATGT
306101 GCCCTGCAGT AAAGTGTGTTG TACCCAAAGTC TTATCTGATT TCCCCTTTTC
306151 GAAGACCTGT GAAGTCAGAG GATGGCAGAG GCTGTGGAAG TTGATCTTTC
306201 TGGTATTAA TTTGTGTTCT TGATAAGCAG GAAGAGAAAG GTCATCACAA
306251 GTGAGCCCTG GAAATAAACC AATGGGAGAT CTCCCCGTG GATGGAGGAG
306301 CAGATGTTCT GAGTCTATGT AGAAGGGGGC ACACGTAACG GCCATATGTT
306351 CAGAGCCCCG AGTTCTCAT TAGCTCACAC AGGATTGGT GGGGTTCTGG
306401 AGGTCCCAGG TTTTGCCCTT TACATATGAA GGCTGATAGC ATCTTGGAC
306451 CCTTGGGATC CTGATTTGA CTGGGACAAG CGAACGCTCG TAAACTAGTT
306501 GTGGAACTAT AGGCTGGACT CAGCACAGGT ACAAGCAGAA GAGTTTGTT
306551 CTCCTCTGCT CAGACTTCCC GGTGAATCCA AATCTTCCCC TGGCTGTGGG
306601 CTGAGGAGGG TGATGAGCTG AGGACCGCTC AGCAGTTGG TCGCCAACAC
306651 GAGGTGGCTT TCTGTCACTA TTTAGCTTGG GGGTACTTGG TAATGGCTTT
306701 CCATTTGGG CTTCCACTAG AATTCCAACA CTGCAGCAAC AGTCCCACATCC
306751 CGTCCCCCAC TCCCCATCTA GATCTCTCA GGGAAAGGTGC AAGGAGGCCT
306801 CTGTGCGAGC CGCCTGGGGC AGCCTGCAAG CTATGCCCTT GGAGAGCCGT
306851 TCTTCTCCAG ATGGCATGGG CAATTTCG TCAGACGGTG CTTCAGGCAG
306901 AACAACTGTT TATATACTTG TTGGGACTGC AAAACGCATC CAGGTGGG
306951 GGGAAATGGGC CCCAAAGGAC TCTCTCCCCC TCCACAGGTG GTGCGATGGG
307001 CAGTGTATGG AGCGGCACCTT CCAAGCCCAC CCCACATTCT CCATCTGGGT
307051 GGCCTCTCTG GGCTTACTCA TCTTCCTTAT CCCCTTCAGA CAGAGCCTCC
307101 ACTAGCGAGT TGCTGATGAC TCTCCAGAGC CTGTTGCTTC CCAGCAAACA
307151 CTGCAGGCTG CGTGTCAACC ACGTGCCAGA TGCCATGAGA GGCATCTGGC
307201 AGGCAGAAC TCTCTGACC TCCGAGTTCC AAAAATAAGG AAACCAAGGC
307251 CCAAAGAGGT TGGGGCTGCA GAGCCCAACT CACAGCGAGG TGTGGCAGTT
307301 CTAGACCTGC GCACCTTGCG AGGATGCTGG CTGCACTTCT GCTCCAGCCA
307351 CGACTCTTTG GAGTCTTTGT GTCTTCCCCC ATGATGTGTG ACTCTGGGG
307401 GGGCAGAGGG TGGGCTCACT GAGACAGACC CTCTCTGGGA GCTGTTCAC
307451 TGTGCTGCGG CAGATGGCAG GGCCCTGAA GTGGCATCCT TTCTGAGTCC
307501 TGAAGTCCGT GTGCCACAGG TGTGTTCAAG CACATTTCAC CTGGGTCCT
307551 TTCAGATGAC AGTGTGAAAG GAGCAGGATT ACTGTCCTGC AGAACCATAG
307601 CAGTGACCG CTCCAACCTC CTGACAAAGC TCAGGGCTTC CGGCTCCACA
307651 GAGAAAGCGG GGGCCGAGCA CGACACCTGT TATTCAAGAAC AGGTGTCCCG
307701 TGGAGGGCTG CTTTCTCTCA AACCCAAACC CCATCAAATA TCCACTCCTT
307751 CTCAGCTCCC ACAAAATAAAT GCACCTCCAG AGACTCCTCT TCTGAGGCAC
307801 TTCCAGCCCT GGTGTTGGTC CTGACCCCTCA ATAGTCTACC TCTGTGCCAT
307851 GGTGTTGGA AATGTGCTGA TGCTTGGCAG CAGGTTCAAC ATCAGGGAAA
307901 CGATGGCTTG GAAACAGAAAG TCACATCCCT GCCTTCATG GGTGTTGAA
307951 ACACCCATCC CTCGGTAAT TGCTGACACC TTGGTGAAGG CTGACAGCCT
308001 TCGGAGGAGC TCGCAGGAAG CCCCCAGGCTG AATACTGTCC AGGCCAACTG
308051 TACCAAGCCA CAGCTGGGGA GGCCACTGCT CCATGCTCAG GGCACAGTAG
308101 GGGATTTAAG GGCAGTGGAG TCGACTCCTG GTTGGCTCAG ACAGAACAAA
308151 CAGGGTTGGG TGGGGAAACGG GGCCTAAAG TACTACAGGT TAAATAACTC
308201 AGCATCTAGA AAGCTCTAGA ACAAAAGCTAG CCCAGGGCCC TGCCACCCCT
308251 GACACCTGGA GGTGCTGAGT GAAAGAGCAG ACTTGGTAAC AAGCAGACTG
308301 TGTCCCTGTG GGAGATGTGG CCACCATGTC TCCTTCCTCA TGTCCCCCTAG
308351 TGCAGAGGGGA CGAGAGTAGG TGCAAGGTAC AGCTGGATCC GGCCATCCTG
308401 CATCCCCGGGC CTCCACCAAC ACCCTTGAGG CTTGAGGGCT TAGGGCAGT
308451 ACAGAATGCC TGTCCCTGTGA ATGGTGGCCA AGCGATGGAC AGAGCTTCT
308501 GGTAAAGCTA AGGGCTTCTG AGTTGGGAA AACACAGAAA ATATGGAATG
308551 TTCCGTGGCA GAAGGGCCAG CTGTGAGGAA GGTGGGGCTT TGGAAAAGGA
308601 GCAATAGTGG CCACACCTTA AAGGCAGCCC TGGAGGCAAC CCAGTGTGTC
308651 TCAGGCTAAA TGCAGATGTC TGCCCTGTAG ACAGTGTAC GACTAATTGT

308701 ATTCCATGCA GTTCAAAGTT CTGCTCATTT TICCTGGTC TCACCCCTCC
308751 CAGCCCCCCC ATCACAGAGC ACCTATCTCC CCTTGCCCTTC AACTAAAGAT
308801 GTGCACACAC CTTCCAGAC ACAAGGAGGA GCGGTGATGG GGCAGCCTT
308851 CAGGGAGCTC TGGCTCTGC TGGTTGGAGA AGCAGTTGGT AGCTGCTTCT
308901 AATTGAAAAG GAATGCCAGT GGGCTTCCCC TCTGGATGCT TCCCTCGAAT
308951 TCTCTAAATT AACAAATAAG GCCTGGGCTG AGCAGGGCCC CCAGACCCAG
309001 AGTCAGCTCT CCATCATTCA GAGGCTGACT GTCCACTTTG GAAAATTCAT
309051 GCCAGACTCT CCACAGCCTC CCTGCCCTCCC ACCTGCCAGC CGCCGCTGG
309101 TTAGAATTG AAGGCAGCCC ATGTGAAGGG AAAGCAGAGA CAGCACAGGG
309151 TGGGGAAAC TCAAAGCAAC TGGATGTGCT GCTGGTTAAC GGCTCTGGGA
309201 AGTAGTGGTT TTTGAGAGGA GGGAGGAAC CAGCATTAAA TGGACATAAG
309251 GAGAGAGACT GGGGACATCT GGCCATGTAG GCCCTTCCTG AGCCTTCACA
309301 CTCATGTGTG CACCTCCCTT TGAAGTCAGG AGAGGTAATT GATCTGCCG
309351 GACTCAGCCC AAGCCTATGA TCCCTGCCCT TGAGACCACA GGCCCCAGCC
309401 CCTCTGTAAG CAGCCCTGGC CAGGCAGCTG AGCAGATGAA ATATTCCCAG
309451 GCCCCAGAGT GAGCAGTGTG ACTTTAAAAA GTCTGTGTT GACTAGACTG
309501 ACTGCACCCA ACCTGTTCCCTT TTTGAAAACA GTGTCTCAGA AGGCTCAGGC
309551 CCTTACAAGC TCTGTAACCT CAAATGTCTA CCAAGATGCC CAGGCTGCAG
309601 GGAGTAGCCC TCATCCCAAGG GGAGAAGTGC GGTCTTACA ATGGCACAAC
309651 CACAAAGGCT CTGGCCGGGG CCTCAGTCTC ACCAAAGGGG CTTGGCCTCC
309701 TGGTCTCCAG CCCCAGTTC TGATCCTCAG ATGAAGATGT TCTGATGCCA
309751 TGGGCACTTC CAGGGAGAAAT GGCCTGGCAA GTGGCTGTCC CTCAGTCTC
309801 TGCAGAGGGC AGTAAGCTTC CAGAGCGAAC TGAGACACCC CCGCAGGTGC
309851 CACATGAATC AGCACCATGG CTGAGTTCC TGCTCTCAGA TGTGACAGAC
309901 ATGGTCTTTG AAGTCACAAA GCCAACAGGT TAGGAAGCTT TTGGGCTTC
309951 GCTCTGAGTA GGCAGGAGTT TAAGGAAACG CCCCAAATTG AAGCAACACA
310001 ACAGGTGAAT ATTTGCTCTT ATGTATCCAT TCATGCCCTAC CATCTGCC
310051 AGGAAGTTTC TGGACTGAGC CCTGGGAAAA GAATGGTGAT GTGACAAGCC
310101 TGGCCCTGTC ATCCTGTCTG CAAGTTGATT ACTAAGAAAC TAGTCCAGGG
310151 CCCACAGTGG GGAAGCCCCAC CCACGATGGA GTGTTGGCTG GATGGGCTAGA
310201 CACTGCCCA GCACCTGGTG TACAGGTATC ACACACCTAA GGAGCAGAGC
310251 ATTGCAGGGC TCACCATGTG TTGAGCAGCT TGCCCTCTGAA GCCACATAAT
310301 TAATTCTCAGG TAATCATACA GCATTCTAG TTGATGCTAA GCTGTTCTAA
310351 GTGAATTCTAT TAATCCTTGC AACAATCTAT GAGAGAGGAA CTATCGTTAT
310401 CCCCTTTTA TAGATGAGGC CCAGAGGCAC CATGCTAGAG TAACTTCCC
310451 ACCTCTCAGC TAGAGAGTTA CAGGGCAGGG TTTGAACCCA GGAGTTCAGC
310501 TTCCAAGCCT GTGTTCTTAC CTACTAAGCT ATGCTGCCCTC TCAAGTCATT
310551 CTAGACAATC TTGGTCACCA GCGCTGTGTT CGGGAGACCC CTTGTGTGCC
310601 TCAAACCTGG CAGGTACCAAG TGGCTAGGG TAGAGGACTG CTGGTCCAGA
310651 TGAGGGATGG GGGACTGTTG GTCCCGACGC TGCGCACCCCC ACCTGGCATT
310701 CTGTCCTCACA AGGGCCAGCC CATCAGAAAC ACCCTGGCTT CTAGAATCTG
310751 TGCTACCCAG CAGAGTCCAG GAGGGACTAC AGTGAGGCCT CAGGTGTCC
310801 AAATCCAATT TGGCAAGCAC TTCTTGAGAC TTCATATGCC CACTCTAGAT
310851 TTCTGTGAGA GCTGGGGCCA GTCAAGGTGCA CAGGATTCTC ATGAAGGAGG
310901 CAGGGAGCAG GAGGCTGTGG CTGGTGGCTG TGCTGTGACA TTTGTTATTA
310951 CTAATAACAT TGACTGAGTG TTAAGCAGCT TAACATTATC TCATTTAGTG
311001 ACATTCATC CTTATGAAA GATACCACGT GTCTCATTTT AGAGGTGAAG
311051 AGCGGGAGAC ACAGAGAGAT TAAGTCATTG CCTGCGGTTA CCCAGTAGAC
311101 CAAAAATTCC AACCCATGCA TGATGGCTCC AGCACTCCAT CAGCACATCT
311151 GATGAGGCCA CCTGCCACCC ACGAGTCCCA CCGAGCCTTG GCTTGAGGAC
311201 AGGTGGGAGC ACCCTCCTCT GCCCTGGAA CCCTGGGCT CACACATCC
311251 ATCTTGTGCA CTGATTTAAT CATGAAAACC AAGTGTCTC TTCTTATTC
311301 GGAGGTTGAT TCTTCCTCTG TCTGGCAGGG ATGTTGTAAT AACCAATTAA
311351 TACGCATTTG CAAAATGCTT TGAGATCCTG CACGTAGGAT ACCATTTGTG
311401 CAAAATCAGT TTTTTGGTA ACACTATTTG ACATGAAAAA TTGTCTTTT
311451 TTCTCCTGTA GAGAGCTTTT TTTCAAATG CCTCCATCA AAGGGTGC
311501 TTATGAACTC TGGAAAGACT CCTGATACCA TCAAGGTAGG CAGGTACTCC
311551 CTGCCCATGT GACCTTAGAG GTGCCCTCTC AGAACCTACA CCTGAGGCTG
311601 CAGTGTGCC ACCAGCCCCA GCCCCCAAGG CAGGCCCTGCA GGTGAAAAGT
311651 GCTTAGCCCT GGAGGCAGTG TGCGGTCTT CACACAAATA CTTCCCTGGCA
311701 GGAGCTGTTC TAGGCTGCA AAATTCAACA GGTTCAACA CAGACAAAAA
311751 CTCTGCCCT CACGGAACCT GTATTGCAGG GAGGAGACAC AGATAAACAA
311801 CAATGGATGC GTAGATTACA ACGTGGGTAG TACTTTGAG AACAGCAACA

311851 CAGAGGGCAG GGTAGGGCAG GGCAGGGCAG GGGTGGGCAA AATTAATAC
311901 GATAGCCCAG GGAAAGCCTC ATCCAGAGGG GCTATGTGAG CCAGGTGTTG
311951 AAGGGGTGAG GGCACTCGCC ACAGCAGTCAC TGGGGGAAGA TGTGTCTAG
312001 CCCCTAGGT AAAAATAGGT CTGATGGTAG GAGTGGTATG GGAAGCTGGG
312051 GGCAGGGTCA AAGGTCTGG GGGCCCTGG AAGCTAACCT AAGCACTTTT
312101 GTTTCACAA TGGGTGAAAC TAGATTATTG GAGGGCTTCAG AGTCGAGAAG
312151 GGATGTGATC TGACTTTATA TTTAAAGGA ACCACTTTGG CTGCTGTTT
312201 GAGAAAAGAC TGTTACAGGG CAAAAGTAGG AGCATGTAGA CAAGTTAGGA
312251 GGCTGTTGCA ATAATTACAGC TAATGGGCAC GATGGTGGTG AGGAGAGGCT
312301 GGATCATGGG TATATTCTGA AGGGCGGTGC CAAAGAGATT TGCTGATGAG
312351 TTGCATGTGG TTATTAGAAA AGAAAGGAGT CCAGGATAAC TCCAGGGTTT
312401 TGGGCATGAG GACTGGAAGG ATGGAGTTGC CATTAACACTGA GACAGAGGAG
312451 ACCATGGGTG GAGGGAGTTT GGGAGGGAAG ATCAGGAGTT AATTGGGGG
312501 CATACTGAGT TTGAGATGCT ATCAGACATT CAACTGGCAG TGTTGAACAG
312551 GCAGTTGGAT AGACAGGGAG AGGGCTAGGC TGAAGATGGA AACTTGAAA
312601 CCCTTAGCAT ACTGACAGCA TTTAAAGCTC TGAGTTGGAT GAGATCACTG
312651 AGTAGGTGAGA TGTGGATAGA GAAGAGAACG CAAGACAGAG CCCTAACAGC
312701 CTCTGATGGG AAGAGGTCAAG GAAGAGGAGT GGGAGCCCCA AAAGAGAATG
312751 AGAGGAAGAT GCCAGAGTGG TGGGAGGAAA CCCAGGCAAG TGCAATGTCC
312801 TAGGAGCCAA GAGAAGAGTG AGTCAGGAAG CGTCAGCTG TCCCAAGTGC
312851 TGAAGCTCA GTTAAGATGA GGACAAAGAA AAGAGACTTG TATTAGTCAT
312901 TTGGAGGTCT TCGGCTTGAAG AGGCAGTTTC CACGCAGTGG GATGGGAGAG
312951 GGTACAAAAG TCTCATTGGA TTGGGTTAA GATGGAGTGG GAAGAAAGGA
313001 ACTGGAGAAAA CTAAATGAAG ATAAATCTTC TGAGGAGTTT TGCAGCAAAG
313051 AACAGAATAG GGCAGTAGCT AAAAGGATAG CAGGGCCAAG AAGCTTTG
313101 CAAACACACG TGAGCAACCG GCATGCTGT GGATGAGCAG AGTCAAGTAG
313151 AAAGGGAAA CTGAGGTGT GGAAGGAAGA GGCAGTACAA CCAGATGACT
313201 TCTTGAGTA GGCAGGGGA GGTGGAATCC AGGGCCCGAG TTGGGGATTG
313251 TCTTAGATGG ATGGGCGGCA GACCCAGTTA ACAGGGAAAGA AGCCTGAGG
313301 TGTGAACCGA CAGAGATGGG TGGGTCGGTG TGGTGGGTGC GTGTGCAGAC
313351 GTCTGTTTC TCAGTGAATC AGGAAGCAAG GTCATGGCTG AGCGTGAGGA
313401 TAAGGAAAGA GATGTGGAAG TCTGAGGAGG GAGAAGAAGG TCGGGAACGA
313451 TTGTGTAGGA GAGTGAAGAAGA GGGACAGATG CAGAGGAGGC GGAGTGATCT
313501 TTGGCAGCT TTCGGGACCC ACTTGAGGGC CCTAGTCCTG AATCCAAAGT
313551 GAGACTAGTC AGCAGGGTGG CCGTTCCCC AGCATGTTCA GCTACCCGGG
313601 TATAAGCAGA CAGCACCCAG ACAGATTTCAC CCAGGGCTGG AGGGTTGTCA
313651 AGAGAGGGTA AGGGAAATTGA GTGTGTGCAA CAGTATCATT CCAGTGATTT
313701 AAATTCCATG GAATTCCATG GTAAGGAGGA AGCAACATCA CCACAGGTGA
313751 CAGGCATACA GTGGGTCACT AGATTCCCCG TGCGGCTGAA GAATTCTTGG
313801 AGTCTGGATA CCAGACAGAAA TAAACCAGAAA GAGATGGGAG GTGATCAGAG
313851 AGTAGGATGC CTGTAGATAT GAGTTTCAG GCTGTATAA TTTGTAATGA
313901 CAGTGTCTGG ACTCCAGGAT ATGGCCACCT GTAAGGTGGA GAGTTGGCAG
313951 GTAATCAACT TGGATTTTA AATCACCTGG CACTTACACA GGTGGCATAT
314001 AAGGGGAGACT GCTGTTAGCC ATAGGCTACA ACACAGGAAA TGGGGTGGGG
314051 CATAACCCAG AGTCAGCAGG TGACTGCAGC AAAGAGGGGC GGTGGGTGGC
314101 ACCTGGAGCA TGCACGGGGG TTTCCCTTTC TCCCTGAGAG CAGGTTCTCT
314151 GAGGCAGGGT CTCTTTTAT GCCCCTTTA CAGAAGAGGA ACGGAGGCAT
314201 CAAAAGTTG CACGTGGTGG TAGAGATGAA ACTCAAATCA GGGGATGTCC
314251 TCCAAAATTA ACACCCCTGGA CACCAACACAG AGTACCTTCC AACACAGACA
314301 GGTTGACCAT GAGTAAGATT TGGTCCCTGG CCCCAGGGAG TCCACTCTTC
314351 TATGGGAAA CAAGACGTGT GCAAAACAA GGCAGGAGG TGTGGGACGG
314401 TTGCCAAAAG AACGCCATGG AACTGAGAG GAGGGGTGAA CACAGCTAAG
314451 CAAAATAATG CTATTAGTCT TCACAAAGGA GGGCACGATG GGATTCACA
314501 GGCAGGTATG GGAGTGGGAA AAGGCATCCC AGTCAGAGGC AACAGCTAA
314551 GCGTAAGAAC AGATGGGAAG GCTCCAGACC ATCTAATATG GCCAACTCGT
314601 CCCGTGCCAT GGACAAATAA AAGAGAAGAA ATGATGCAGG AGGGAGGGAT
314651 TAGAACGATA ACAGCAAGGG CGTGTGTTAG GGAGCTAAAT GCAATCACAC
314701 ACAACCCCCA AATCTCAGGG GCTTAGTGCAT ATATTTATTA GTGCAAAGAT
314751 TTGTTCTCCA TCCCTGTAAC AGCTCAAGGC TGTTGTTTCAG TTTCTGTGCA
314801 CACAGTGACA TGGGGACTCG GACACCTTCAG GGATGTGGTT CTTCCGTCTC
314851 CTGGGGCCTC AGATTCCCTT ACTGGATGCT GCATCTGGCC GGTATAACAGT
314901 AGGATGGAGA GAGTAGAGAG GCTTGAGGA GCTGTTTGG AGCCCAGCAA
314951 AGCCCTTGCA CCCATCCCTC CTGACACATT CCACTGGCCA GAACTCAGTC

315001 ATATGGATGC CTCAACTACA GGAAGAGCTG GGAAATGTAG TCCAGCTGTG
315051 TCCACAGGAG GGAATGGATG CAGGTTGAGG TGAACACAGA GCATTCTCG
315101 CCAAAGACAT GCAGGCCACA GAGTTGGGC ATGTCAAGGA AGCCAGGGAA
315151 GCATGGAGGG TGTGGTCAAA GTCAGTTGA GGAGGACCGA CCTGTAGACA
315201 CCCACAGGGA AGAGTGAGGA CTAGGAAACT CCAGAGACTG TAGAACACCT
315251 GAACACAGAT GCAAAAGTGG GAACAGAAAA GGGCACAAAA AGAAAGATGA
315301 TTCTGGGAGG CTCTTGTGGC CCTTGCCTGG GGTGGCGGTG GGGAGAGAAG
315351 GAGCTGAACA GTGAAGACCA TTCCGAGAGT TCGCCACAGG GCCAAGATGG
315401 CCGCCTGCCT CTCCCTCTTA GCTCTGGGG TGCCGGAAGG CAGGGTCAGG
315451 CCCTGTGGAG ATGGAGTGGC GGGAGGTGGC TGTGACGGTC CTCCGCAGTC
315501 CATAGCCTGG CCCCACAGAG GGGAGAAGAA AGGATCTCTT TTAATTCT
315551 TCTCAGGCCT CCACCTGACG AAGGAGAAAT ATCACCCAAC ATTGTTATCT
315601 CTCAGAAAAT ACTCTCTGGA ATCATAAAAA GGGAAATACA GTGAAGCTAG
315651 ACCACGAAGG CTGCCCTTA AATCAGGAGC TTCTAAATTA TCACAGTGGC
315701 GCTCTCTAAAT TCCTCGGAAT GAAAACATTA AAGATGACAA TGTCCCTTTA
315751 AATCAAATGC CCTGGGAGTT GCTGTAAAGA GTCAGTGGGC TTTTTTTTT
315801 CCCTTGTGAG GATTTTTTT TTTGCTCTT TTCACCTTAT AATAAAATAT
315851 AAATCATAAC TTGTGGGGC AGGCTCTACA GAGCAAGCTG TGAACATGGA
315901 TTTTCTGAAA ATGAAGGTTT TTTTAATGG GAATCATCTC ATCTCAGGAA
315951 GCATGAGAGT CTCAAATGAT GAGTTGCTA CTTCACACTT TCTTTTTTT
316001 TTTTTGATT CACAGGTGGG CCTCAGGCCT AGCTGTGGCA CCACTGTGAT
316051 GAATCATGAT GGCACACCCC AGGAGGCCAG TGGGCTGACT CAACCCCTCC
316101 TGGAGCGGCC ACTGTGCTCA AGCTGTGCGA GGTAGGGCA GGGAGGCACA
316151 GCCTTGGGAG GTAGCATGTA GAGGCAGGAG GACTGGGGCC TGGAGGAAAG
316201 GGCATGGTC ACACCCCTTG GCCCCCTCCA GGCAGGGCCTG GTGGTCTGAG
316251 CTCTGTGCC ACAAAAGAGAA CCCAGAGGCT AGTGCAGGCC CAGGAGGAAG
316301 GGTTGGGAGC CACGGGTCAAG AGAAGGCTGC ATGGCAAGGT GGACTTGT
316351 TCTGCATTCT GGTGTGGAAA AGGGGTCAAGA GATGGAGAAA GAACTGGCGA
316401 GTGACCCAG GCTCGGGAGA TACCAGGGCA GCACGACCCC AAGGGCTG
316451 CCTTGTCTG CCACTCCCCCT CTCCTCGCA TCCTCCATCT GCCAGTGC
316501 ATCTCCATGG GCTGGGTGGA GACTCAAGGC CTGGCAGGGC CAAGTCTGG
316551 AAGCTGCTGG ACAGTTGAA CCAAGGTAGG AAAGCAGTCT CTGATATTT
316601 AGAAAAGTGT TCAAGGCTTA GGTCTGAAAT CGCAGGGCTT GCTGATAAA
316651 ACATGTACCC TATGGCCAC AGCCCTCTCC CCTCCCCACTG AACTAGCCAA
316701 GCATCTTCAG AAAGGCTGGC TCTTCTCATC AACTCCATGG CTTCATC
316751 GACCCCTGGC TTCCCTCTGT GCTCCGTCCA CACCCCTCCCC ACCTCCCTA
316801 CACCTGTACA GGAACGTGAGG CCTGCAACAG GTCACTCTTGC CCCTGC
316851 GGCTTAGGCA GAGAACACTC CTATCTTAT CCAGTCTGAC CTCTCTGC
316901 ATCAGGCCCT CGGGACCTCT CCCTCCTTGA GACGCTCATT TGCTCTCC
316951 CTTTTGGCC ACCTGTTCTC CATCTTATTT GAAAGTGAGC TCCTTCCCC
317001 TGCCAGCCCC TTACACTTC TTGGTAGAGA GCCAGGATGT AGGCATCTTA
317051 GGCCTTGTAA GCCATACAGT GTCTACCACA GCCACTGAAC TCTGACATTG
317101 CAACGTGAGG CAGCTGTAGA TAAAATGTAA ACAAAATGAAT GTGTCTGTG
317151 TCCAGTAAAA CCTGATTTAC AAAAACAGAT GGAGGGCCTG TCTGAGACAC
317201 TCAGGTGCGC TGCTCCCCCT AATTACTCT GCCCTGGGG AGGTCTTGT
317251 CCACCCACGC CTCCAGACAT GAGGTTCCA GCACCAAGGTC TTCAGAAGTC
317301 CCTAAGGTCC AAGGGGACCA AGAGGTCCAA GGGTCATTAC TTAGAGGCAC
317351 CACACACTTA GTGTGACTCA ACGGCCCGCT CTTCCCCCAA ACTCCCCCTCC
317401 CCTCCTGTGT CTCCCTGTCT ACCAACATAC TTTCCCCCTT CCCATTGTAC
317451 TTCTTTGTAA ATCGGATTGT TAAGTGTCTC CAAGTGGGCG GTTGAGTCTT
317501 TGAGAGCTGC ACGTGACCTT GAGCGCAGGC TCAGGAGATG GGTGGGAGT
317551 CGGAGACGGA GGCTCTAGGG AGACTGAGGG GCTGGGAGAT GCGGCACAAG
317601 AGTGGGAAGC CCAGCACTGC GGACTCACTG GGCTCGATCT CCTCCCTGAC
317651 GGGCTGGCCA GCATTCAAGCT GTATTGTCTT TTCACTGGGG TCCCACAGGG
317701 GGTCACTGTG AAAAGAACCA GCCCACATTG CAGGGCAGGG ACCGCGGGCC
317751 AAAGGCAGGT GGCTGGAGC CATGGGGCCC TGCTGCGGG CCTGTCCATC
317801 CCCAAGTGTG CTGAGGTCAAC TGAGCTGAGG GCAGTGTCTTA GAGCCATCCA
317851 AGAGGGCTCC AGGGGGGGGG ACTGTGTTGG AGGCCACATG CCACCCCTG
317901 CTGTGGTTCC TGCTTTACCT CATCCTAGGA GACCACACAG CCTAGGCATA
317951 ATGCCTAGAG CTAAAATTCA GGGGCTTCAG ATAGCCATGT CATAATCCAC
318001 AGACCCAGTG GAAAGTACAA CTCCCTGGGG CCCCAGTCGC CCGTGTGGGA
318051 CCCCTCCCCA AGGCTGCTGG CCTGCTGGGA AGCAGGGATG CCAGATGAAG
318101 AGGGAAGACC CAGGCTGGAA GCTTGCCTT ATCTCCATGC CACAGAGGCT

318151 CAAGGACTCC CCGATGGCCC TCACAGGAGC TCTGCCCCCA GCTCCATT
318201 CCTCATTGCG CCAGTGCTGG CGGCAGAGGG CATCAGCAGA GGTGCAGGCA
318251 TTGCGAGTGC CCTCTGATGC AGCTCCAAAC ATTCTGTTCA CTTAGAGCAG
318301 CAAACAGTCT CACCTGTCTC CTGCTCATCA TGGGTACATA AAATTCCCTG
318351 TTGTTTATTCT ACTCTCCTCC TCACAGTCCT GGATGGCAAG ACACAGTAAT
318401 TAATCATCG GCTGCTTTG CGAGGGGCCA CACCCCTGCTG GTGCTGCACC
318451 TGGCAGCTG CCTAACAGAT TGGCTGCCGA AGGTTTGTTC TGAGGCTGAA
318501 TTCTTGATCT TGGCCACTCT CTCGGGGATG GAGAGCCATC AGCACCCACT
318551 TTGACACGAG GCCTCACTCC CGGCACACTC TCAGAAAGGC CCTGGAATT
318601 ATTTGCCCA TTTGAATACA AATGCAATTG AGACAAGATT CTTTTGTTT
318651 CAGAAAGTCAT TGCTTCATT CTGTTCTCG TCAAGTGAAAC TGACAGCCAA
318701 AGAGAGTTGA AATAAACAAAC TCTGTGCCG GCTGAGGCCAG ATGAAATAAG
318751 TCCCCCACC CATCACTGAG ACATGGTACG ATCAGGTTGT GTTACCAAGT
318801 AAGGGCTTGG TGCTGGCTT TGGCAGCTC TGGGAGGCAGA ATGTCAGGCT
318851 TTGGGCTACA TCTGTGCCAG GACAGGCTGC AGGACTAGTC CCAGAGTTGG
318901 GCAAGCTGGA AGACAGGTGC CTACCACAGC AGGACACCTG CCCCTCTGCC
318951 CTGTGCTTA GAGGCCCTT CTTCAAGCAT GGATCCTGGG GAAGGGAGAC
319001 ACATGCAGTC ATTCAATTG GAAGGGAGA AAGTGGCAGC CAAGGCCCA
319051 CTCTCAGGAG CTCCCTGACCC ATCTAGGGAA GTGGGGCTCC CAGGCAAGAA
319101 GGAGGTATGT AAATATCAAG TGTTAAACCA CAGGGTTGGG ATGATAGGTG
319151 CTGTGGAACC ATCTGGGCTT CCTGGAAGAA GATGGGCTTA GGCTGGATCT
319201 TGAAGAATGA AGGTGGGATA TATTTGGACA GATAGAGAAG GAAAGGGCTC
319251 TACTTCAGG CAAGAGAAAG GCTCAGAAGA AGGATTAGGA GTGGGGATTG
319301 AAGAATATAA TTCCCTTCAGT ATTAAGTACG TGCTAAAGGT GGGCAGATCA
319351 ATAGCGGGGC AGTTGGGTT GTGACCTCAT TTTCAGCTCT GCCCTGCTT
319401 GCCCTGAGGC TCCAGACCTC GCAGCCCCCA AGGTTCCCAC TGTTATCCA
319451 GTTCCAAGG GCAGCTGGGA TCTGACCTTG CTCCCTGAGAA ATGCTGCATG
319501 AAAGAGGGGC ATACACTCTG TGGAGCTCCC TTGCCAAGG GCCTCCTCCA
319551 GGCCAGGCTG TGCCCTGTAG CCCAGGCTGC AGAGACGGGA GGATGGCACA
319601 GCACCACCTC TAGGGTATGG AGAGCAGCCT CTGACAGACCC CTCACCTCAG
319651 TCTTGTAGA AAGAGAGCAG ACAGTTTCC TGTAAACCGAG GAATAATTCT
319701 CAAGGTGGAC ATGCGACCCA GAAAATGGA GTGATGCTTA GTCCCCAGAT
319751 GCCCCCTCCA GCGCTGTCCA GCTGTCCTGA CAGGGGCTGC CACTCGGATA
319801 GGTCACTCAA GCGAGGCCAG AGCCCTTTT ACAGGCACCT TGGGGCCTTG
319851 GGTCTACCTT CACTTTCCAG GACACAAAGG CTCTCCCTAG GCAGGCTCTG
319901 TCCCAGCATC CAGGGCCAAG GGGCTCAGGC AGAGGCTCTT TAAAAGCTTG
319951 GTGCTTCATC TTGATGAGTT TCTTGTGGG GGCTCTGAGC ATTGTGACTG
320001 TGACAGGTTT TGAGCCCCCTC GTGGCTGGGC AGGGTCTGTG TTTGGCTT
320051 TGGTACTGA ATATGAAGCT GTTTCCAGAT GAAACAGCAAC ATCGCTCCAA
320101 ACAGTTCAAT TCAGTGAGCG GGCCAGGAGT GGGGCCCTGGG CAGACCCAGA
320151 CAGGCCCTGGG AGGGGCAGGG AGCAGGCTCT CCTGGCTGT GCTGCTGAGG
320201 GTGCCCTGGGG CTCCCTGTCC CACCATGGGG GACCCCCGGG ACAGAGGGC
320251 CTCTACTACA GGGCCCCTGC AGCCTGTCTC CAAAACCTCTC ATCTAAGGCC
320301 TGCAAGTCC GCAAAGCCCC ACCCTCAGAA AGTTAAGTC ACTCACTCCC
320351 AGGGCTACCT AGTTAGTAAG AGGTGGGGCT GGAATACTCA AAATACATTA
320401 ATCATTTTTT AAAATAATAA TTGTTCTTAA CTGAGGCATT ACTTGTGCC
320451 AGGCACTACG TAAATCATT TATATTATAT GTAGTTCACT CCTCAAACAG
320501 GTACTATTAG TAACCCCCAGT TTACAGATGA GATGACTGAG GTTGGGCAAT
320551 AGCACAGCTG GGATTAAATC CAGGCAAGTC CAAGTCCAAA ACAAACAGCC
320601 TTCTCTGCT TTCCTGAGGC AGGAGATTGG GGATAAGGCA TGAGGGAGAG
320651 ATGCAGAGTG CTTGTGATGT GGCAGTCATG GAAGGCAGGC TCCCTGGAGG
320701 AGGTGGTGTG TGCCATTGAA ATGGCATCCA GAAGGATGTG TGTGATTGGA
320751 GTAAAGGGCA GGAAGAACAG TGGGAGCAA GAAAGACACT GAGGCTGGAG
320801 GACACAGAAAT ACATTCAAGA AACGGCACTG TTGTCATCCT AGAGCAGAGT
320851 GCGGGCAGCA GGGGGCAGTG GGGACACAG TGTCAAGGTCA GTCAGACTAT
320901 AGAGGCCTGG AATGAGAGGC CAAGAACAGC CATCCAAAGC TCTGGGAGG
320951 GGAGAAGCAG ATCCAGGGCT GAGCTGGTTG GGATGCCTAT GCCTGCATCT
321001 TAGGAAATGA AATGACCCAA CTGCGGCCTC CATCATAGGC CAGCACCCAG
321051 GTAGCATCCC GAGCCACTGC TGATTTAAGA GATGTCATG CAGCTGTCT
321101 TCACAGACTC CCAGCAATAG TGTTCACCTC CTCGGTAGAA TAGTCACCTA
321151 CAAAGCATT TTTTTTTTTT TTTTGAGATG GAGTCTCGCT CTGTCACCCA
321201 GGCTGGAGTG CAGTGGTCCG ATCTCAGCTC ACTGCAAGCC CCACCTCTG
321251 GGTCATGCC ATTCTCCTGC CTCAGCCTCC CGAGTAGCTG GGACTACAGG

321301 CGCCCGCCAC CACACCTGGC TAATTTTTG TATTTTTAGT AGAGACGGAG
 321351 TTTCACCATG TTAGCCAGGA TGGTCTCGAT CTCCGTGACCT TGTGATCCAC
 321401 CGGCCTCAGC CTCCCAAAGT GCTGGAATT AAGCAGGAG CCACCGCGTC
 321451 CGGCCAACCT ACAAAAGCTT AACACACTGA AAGCAGAGGA TTTCTGCCTG
 321501 AAAAGCACTG GTATTTGGAC TTGTGAACAT AAAGATGGGA ATGCAACCAG
 321551 GCAATGCAGG GGCTGCCTAG AGTCAAGGGT TTGTTTTAA GTAAGAGAGA
 321601 CAGAATGATA TTTACAATCA GTACTCTCA ATTAGGTTT TCTTTTATG
 321651 GGATTGAAA TTCTCCATTC AAGCCCCATG GAGAGATGTG GTCTGAGGGC
 321701 AGCATGAGG CGATCAGTGT GTCTTAAAC TTCCAGACGC TCACAGACAC
 321751 TTAAAGTAAA AACAGAGAGA AACAAAAATTG TTCCAAAAAA GCAGCAAAGA
 321801 AGGTGATCT GCTTGTAGG ATCCTTGAG TCCACTGTGG GCCAGCTCAG
 321851 ATGCCACCTC CTCCAGGAAG CCCTCCCTAA GTCCCCCTGCC TGCACTCCTA
 321901 CCTGCTTCA GATGCATAGT GGAGGGTCCC CAATGTGATG ATGTGCCCTC
 321951 CAGCTGGGC AACATCCATG GGCTCCAGAG AGCCACAGGG GTCATGAGTT
 322001 GATTTTTAA GCCTTTGAA CCATAGCCTA TGGGTGAGAA GAAAGGTTT
 322051 TGTCAGATT GAAGAGGCGA TTAACCTGTA GCGGGTGGAT GTACATAAA
 322101 AACGTGCTCC ACAGAAACAA GATCTCTTCA GAAAAAGTTA GGTCTCATTG
 322151 CAAAGTGTGTT TACATGCCG AATGGGAGA TCTGGTAGG GCCTCCAAAG
 322201 CTCTAAGGTC CGTTGTCCT CTCTGTTAGT ACCTAGCAAG TGTAAACCGT
 322251 GTGCCTGATA CATGCTAAAT ACTTTCACCA TATTCACTGCC TCACTAAAAG
 322301 TCTATGAGGC AGATTCTGAG TCCCATTAA AAGAAGAGGA AACTGAGGTC
 322351 CAGAGAGGTT AAGAAATTG CCCAAGGTTG CATAGTCAGT AAATGGTGGG
 322401 GTTGGGATTA GAACCCAGGC TCCTAAGCAC TGCACAACAT CACACCCAGG
 322451 GATGCTTAGA GGTCAAGGCTT GTGCGTGAC CATGTCACAC ACACACCTAG
 322501 GTTGCAGGTG CCATGGACAC AGGGCAGGTC AGATTCTGCT GTGCTCAGGC
 322551 ACCCAGGACA GGGCTTGGCA CAGAGCTTAG TTATTGGTGC CCTGGCAGGT
 322601 GGGGCCACCG ATCCAGCTCC CTTCCTAGGA CTCGCGTCTC TGGGCAAGT
 322651 GTCAACCTG AGAGTGTGAA CAGCCCCAGTG GACAGGTCTT GGCAAAGTCT
 322701 ATGCCTGGC GTGGCCTAGC CTGCAGGCC ATCCTGAGGT TTATGAAAG
 322751 TGAATCACCA AACCGGGCCA GGTGGTGTG AGCTGGTGC AGCTGGGCA
 322801 GCGAAGGAGC CATTGGACCT CATAGTCTGA GTGATCCTCA GAGACTGACT
 322851 CGCCAGGGAG TTTTGTGTA CTGACTGACT CCACAGCTGG GAGCTTTGTG
 322901 TGACTTCCTC ACAGAGGAAG ATCACGTGAG ATGAGTGAGG GAGGCTCCTT
 322951 GTGGTGGCAG GACATGCCCT TGGCCTTGGA GAAACAGGG AAATCATTCC
 323001 TTTGGAACGT TTAAGAGGAA AATGTGAGAA TTCAGATCCT ACTCCATGGC
 323051 AGTCTGAGG GTAATATTTT AGGGCCAAGG GAATGGGGCA CCTTTCTGC
 323101 CCAAGTCAGA GAGAACCTTT GGTACAGAG GCAGCCTTCA GGGAAAGGCT
 323151 AGGGTCCCAG CCAGCTGGCA CCTGACTGAA CCTCACTTGA GCTGTATGTG
 323201 TTCCCTCAT TCTGCCAGGA CACTGGTCAA AGCTGAAATA TTATTACTAT
 323251 TACAAGGTT TAGCAGTGCC ACCTCCATCA AGATTTCCAT TTGTCTTCTC
 323301 GCTTCTCTC TCATTGTTA CAAATATTTC TTGACTTCTC TCTCTTCTT
 323351 CAAACAGTGC CCTGCCATT TATAATCAGA AGACAAATAA ACTTTGTGCA
 323401 AATCTCCCTG TTCCCTCATG AACTAGCCAG GCATAGAAGG GGCAACACCA
 323451 AGGGTGTGCC TATTGACTCA ATGCCATGTT TTGACCACTC TCAGGGCCGC
 323501 CCAGTGGGC TTCCATAGCA TCACCTATCA TCTTGTGCC ACTTACTCCA
 323551 GAGCCTTCGC TGGCTCCCTA TTTCCACCT CACCAAGTCT GAGCACCTCT
 323601 GCCTGCTCGT TAGGTCTCGT GCCCTAGCCA GTTCTTTAC AGCACCTGA
 323651 CACCTACTC AGCCTGTCTC TTCCCGTGGG TCTGTTTACT CCCCTACCC
 323701 ACCCCAGGAC TTCCCTCAAG CAAAAAGCTA ATATGTTAAG GAAGGCAAGG
 323751 ACCATGTCAAG ATATCCTCCA GCATCTGACA CCGAGCATCC TCTCCAACCT
 323801 GAGACAGTTT ATAATCATT CAAAGTAGAG AATGCCAAGA AGACTGGCCT
 323851 GTGGGGGTTT ATCCAAATCT TGGATGCCG AATCTCTCC AGGAGGGTTG
 323901 CCCAAGGACT TAAGAAAAAG AGCGAGTGTG CAAGGCAGAG TCCAAGGAGT
 323951 GGTTCCAGAG CAGCACATGC CAGGGGCTGT GTCTGCACAG GTTGAGTGGG
 324001 AAGAGGAAGA GGATAATGGC AAGGATGTAG AGGGAGGAGA CTGCCCCGGC
 324051 AGGCAGTGCT CACATCAGCA GGGCGTCAGC AGCAAAACTA CTGCTGCCCT
 324101 CTGCCCACTC CTTCCCTCTC CTCCAGTCCC ACTTCTGCC TGAGGGGCAT
 324151 CTGCTTCTAGG ATCAAGAAGA AATGTACAC TCCAACAATT GAAGGATAGT
 324201 GTTTTAATG ACTTGACTCA CTCTAATTAG AGGAAGCAAC ACTTTGATTA
 324251 GCAGCAGTCT GACCTGGGAG CATGGACTTG TGAGAATTGC TCCTTATGAT
 324301 GTGCTTGGAG TTCCAAATT GCAGATGGT TCTCTGAGGT TGGGGCTGG
 324351 TCAGCGTGAG AGAAGGGACA GTGCTGGCA GCCCCCTCCC ACATCTGTGG
 324401 AGATAAACATC TTGCCTTCTA CATGTGTCTC CTGGTCTTTG CCTGATATGG

324451 TTTGGTTCCA TGTCCCCACC CAAATCTCAT GTTGAATTGT AATTCTCAAT
324501 GCTGGGGGAG GGACCTGATG GGAGGTGATT GGATCATGGG ATCAAATTTC
324551 CCCCTTGCCA CTCTCATGAT AGTGAGTTTC CACAAGATCT GATGTTTCA
324601 AAGTGTGTAG CACTTCCGCC TTTGCTCTTT CTCTCCTGCT CTGCCATATT
324651 AAGACATGCT TGCTTCCCCCT CTGCCCTCTG CCATGATTGT AAGTTCCTG
324701 AGGCCTCCCAG GCCATGCTTC CTGTACAGCC TGAGGAACCTG TGAATCAACT
324751 AAATCTCTGT TCTTCATCAA TAACCCAGTC TCAGGTAGTT TTTTATAGCA
324801 GTGTGAGAAC AGACCAATAT ATTGCCCTAC ACCCATGCAG TGCTGTGAGC
324851 CAACAGCCCCA CTGTCCAATT CCTCATATAATG GTTCTATGA GCCACTGCC
324901 CTGCAAATG CACCTTATGG CCAAACATCT CCAGGGCCTG CTCTCAATT
324951 TACCCCAAGC AGCACTAGAA TTTCCTTACCC CCTGGGGATC TGCTGCC
325001 GGTCTGTATA GGAAGGAATG CCACCATGTG TCTGGCATTAA TTTGGGATGA
325051 ACAAGAAGGT GAGAGAGAGA AGTGGAAAGC AGACTGTCCC CCTGGATCTG
325101 GACCATGTA TAGACTCCCT ACCAGCTGTG TCTCTTGTAT TGCTTCTT
325151 GTCACTTGCC AATGGACACA TCTTCCAAG ACAGGGCCCA GGTCACTGTC
325201 CACCATTTGG ACAAGGGCCA GCCCCACCAAG ATGGAGTCTC AAGGCACGGC
325251 ATGGCCCCGT TAGAGCCTTG GAGAACACTG CCACACACAC ACACACAGAC
325301 ACACACACAC ACACACACAC ACGCTAGGCT TAAAGGCCA GAGGACCC
325351 GGAAGCGCAG CACACCTTA GGATGCAAAC GGTCAGGAC ACCCAGTTTC
325401 TCCACCACCA CTCTGAAAA TCTCTGTAC CAATGAGCAG CTCTCAGAGG
325451 TGAGCAGCAG GTTCCCTTG TGCCTGGTGA GAAAACAATG GCATGTTAC
325501 TTTGGTGGGG TACATCTCCT CCAGCCCAGG GCCCCAAACCT TGTGCTAAC
325551 GACATTCCAT GCCCCTCTGC TCCCAAATCA TTCTCAGAA CTTAACAAAGT
325601 GTTAATGGCT ATCTCTTTGG AAAGAGACAA GTGTCAGATG AGCATTGCAA
325651 GACTGTAGTA TTTGTTAGA GAAAGTTGTC TTCCCTGGAA AGGGGCTTCT
325701 GCTCTTGTG GTAACAAGGT CAGTACAGAC CCTTCAGAG CGGTAGTTCA
325751 GGGCCTCAGA CAACTAGGGC AAGGGTGACA AACCCCTGGT TCAATGGGC
325801 TGAGCCCCAGG TGAGGGTCA GGGCAGTTCC CATTGACCAG ATGGAGTCAG
325851 CAGGCTTCAC TCACTGGTGA AGCAACTCAG GTCTCTGTTC AGGGTACACC
325901 AGAGCAGTCA CAGCCCCCAG GGCACAGAAGA GGGGATGGCT GTCATTCC
325951 GAACGGAAGA CCTCTGCTC CACCCACAGG AGCCACTGCT GCACCTCC
326001 CTCACCCCCA AGAAGAATCG TATGGGAGAA ATGATCTGC TGCTAATGGG
326051 ATTAAAATGC ATTTTGAGTT TTCCAATTAC ATATTCAT TATTCCGTGA
326101 ATGTAATTG GAACTCAACA ATGCAACTGT GAGCTGGCCA GAAACCAAGA
326151 CTGGTGGCTT CTCCCCCAGA TGGCACAGA TTTCCTACCC TGGAACATGC
326201 AAGGATCTAC CAGGAAGACT CCTCTGGGGC CCCAGTGTGTT CAGGAATT
326251 TACCACTGCC TGAGCATGTG GTTGGTGTG CTCGGCCGTG TTCATGTGT
326301 CCCACAGAAC GGCACATACT GTTCTCTTG CTGGAAAGCC CCTCCTCAG
326351 CCCTACCTTC CCATCTTCTG GGCAAACCTC TTTAAGACTC AGTTCAAGTG
326401 TCCCTGCTC AGAGAGGCCT TAAGGACACC ACAGATGCC ACCAAGCATT
326451 TCCCATGTCT CTTCTCATCT GCCTCCCTG GACTCACTCA TCCGCCATT
326501 CCAAGAGCTT ACATGGGGCT TGGCACATCA TGAGTGTCT ATGAATT
326551 GCTTCGGGGAA AACATAGGT GCTCAGATTC CTGACCAGTT CCACCCAC
326601 GATAGGCCAG GCTCTGGCT GGTCTCTAGT CTGGGAGCCT AGAACCTGG
326651 ATTTCAGACC CAGGTTGTG AACAACTCAT CTAGTGAAAT TTCAGGCC
326701 ACACCCCCA GAAGTCTGA CCCAAACCCC ATGACCTGCT CCTTGAGAC
326751 CCAACCCATG CCCTGGAAAAA GCCAAATCCT CCAAAATCTA TATCCCC
326801 TCATGTCCTG GGGGCTGGGA CTGCCCTAGT CCAGAACAGG GGGCCTGCC
326851 AGTGCAGACC CTCAACTGGT AGTCAGGAG AAAAGAAAAC CCCTCC
326901 CCACTCCCCCT TCCGTCTGCT TGTCCATCAC AGCCTTCCAC TTTTATT
326951 TGGTCCAGC TATTCAAGCCC AAATCATAGA AGAGTCCTGG CCCAGGACT
327001 CAGCAGCTTT TAGGGAGCTC AGCTTGGAA TCCTGCAGAG CTGGCAGAT
327051 TTACCTCTCT GAGTCTCAGT TTTCTCATCT GTACAATGGA AGTAATT
327101 CAGAACATT GTTCTGAGGG TTCAAGGAGA AAAATGTGTAAAGGGCTTA
327151 GCAGAGTGCAG AGGCAGGGTG CTCAGGGAAT GTCAGATTTT ATTACT
327201 TTATCTGCCT CCTAAGTCCC ACCTATTCTA GAGATATTTT CCTAGGAAA
327251 GGGTTTCAGG CAACAGTCAG CAGGGACCTT CTGAGGTCTC TGGACT
327301 ACCTTGAAGT GTCCCTCAAG GCCATTAATG CAGATCACAA ATACCAGGCC
327351 CAGGATTGAG GCTAAAGGAG AGAACCCAGCT GGCTCAGGGC TCCAAGGAG
327401 TTGGGCTGGT GGAAGGGCA GGACAAAAGC AACCTCCAGGG GGTGT
327451 ACACAGGGAC CGGTGTGCAG GCTCACTGCT CACCCACCAA CTGTT
327501 AGCACGTTCC ATGTGTGGGG CACTGGCAG GCTGCTGGCA TTTAATGGTA
327551 AGCAAAGCCA GATGTGGTTC CTGCCCTTGG AGAACTTACA GTTCTAGGGA

327601 GAAAGATAGG AAAACAGCGG CAGTCTACTC TAGATAGGGT AGTTATGGGT
327651 AGGGCACCTG TCTGAGGGAT AATGTAAGG AAAGAGACAGG GAGGTGAGAG
327701 GAACTAGCCA GATGTCCAGG AGACCTGGAG ACAGGGAGGC GCTTGCTGTA
327751 ATCAAGGGCT GGAGGCAGGC CAGCGTGCT GGAATGTGGA GGGCCAGGGA
327801 AGCTGTAGGG GAGGCCATCA CAGAAGGAGG GTGGTCCTTA CTCTGTGTT
327851 AGTGGCTACC CTGTCGGCT GAGTGGGCCT TGGTTTGGGA GGATGTGTGT
327901 TCCCAGGCTC TTTGCTAACG CCTGGCAAAA CACCAGGAGC AAGACCAGGC
327951 AGCTGAGGGG AGCCTCCCAAG TTGTGGTCAG TATCTTGGAG ACCTGCTTT
328001 GGGCTGGGGA CTTGGTCGTG CCACATTTC AGAGCAGTTT TCAGAGCAGC
328051 TTGGGGATGA CTTTATGCC TCATCTGCAC ACCCTGGCC CAGTCCATGT
328101 CCCAAATGGC ATCAGTCTG ACTGGGAATA ACTCAACTCA CAAATATT
328151 TGCCCTGGCT CTGAGGTGGC GAGCTGTG CTAACGTGAG AGGGTCTGAG
328201 TGGCCAAGT GAGCCTGCAA CCTGCCATT CAAGGTCTCT CCCCTCACCC
328251 CCTCCCCATA CCCACCTGCC ACTTGGCACC TAAATCCTGT CCATGTAATG
328301 AGGCTGGGT TGGCAATGAA ATGATTGGCC AGGGGTCAAGA GCAGGTGGCC
328351 ACATTGAGGC CTAGAGGGTA CTAGAGGTTG ATTGCTCCC TGAGTGCAAT
328401 AAGGACCTTC CATGGGTTTC CTAGGGCTGA TATGAGAGAT GATCACATGG
328451 TGGCTTTAAA CCACGTAAC GTGTGCTCT ACCACTCAGG AGACCAGAAG
328501 CCAGAAATCA AGGTGCTGGC AGGATCACAC TCCCTTCAAA GTCTCCAGGC
328551 CCTTGCCCTCT TCCACTTCG GTGGCTCCTG GTATTCCCTG GCTTGAGCA
328601 ATGTAACCTCC AGTGTCTGCC TCCATTTCA CAGGGCCTCC TTCTTTGTCC
328651 CCCATGTCTT CTCCTCGTCT CATAAGGACA CCAGTAAGCG GATTCAAGCC
328701 CACAGTAAAT CCAGGATGAT TTCATCTCAA GATCCTTAAG TAATTATATG
328751 TGCAAAGATC CTATTTCCA ATCAGGTAC ATTCTGAGGT TCTAATAGAC
328801 ATGAATTGG TGAGGGGTG GGGACACTAC TCAACCCACC ATAGGCCCA
328851 AGGAGGATGC CCCTGCCACA TGACCCCTGC TCATGCCCTG ACGTGGTCT
328901 CATAGGCCATA CCAGCCCTGT GGCCCCCTCCA CCCCACCTGA CCACCTCCGAT
328951 CCTGTGGCTT CCACCCCTCCC CGTGCTCACA TCCCCCTTGG ACCATCCTAG
329001 GAGATGTGTG CACGTGGCCA ACCCAGACTC AGCCTGCATC TCCTTGGCAG
329051 GCTCCTGGC CCCACCTGTT GGCAACAGTC TAAGGCAGCA TTCTAAACA
329101 TTTTGGCAC CAGGGACTGG TTTCTGGAA GACCCTTTT CCACAGACTG
329151 GGAGTGGGGG AGCAGAACAG AGATGGTTT GGACAAAAGT GTTCAGCCTC
329201 AGATCATCAG GCATTAGATT CTCATAAGGA GCACATTACC TAAATCCCC
329251 ACATGCACAG TCGCTATAG GGTTTGTGCT CCTTGAGAA TCTAACGCTG
329301 CTGCTGATCT GACAGGAGGC AGAACTCAGT GCCCGCCGCT CACCTCCTGC
329351 TGTGCAGCCC GGCTCCTAAC AGGCCATGGA CCATCCACGG CCTAGAGATT
329401 GGGAACCCCT GGTCTAGGGC ACTAGGAGTA CAGAGAACAC ACAGTCAGTT
329451 CTAAGAACT TCTCTATAGA AACTGACATT CTTTGACAG AACCCCCAGC
329501 TTCACAGCAG CATTGAGTT GCAACACAC AGTATAAGCC TGCTGGCAG
329551 GGCTGGCAAG TTGCTGGGGC CTCCCAGTGC AGGGCGGGCA AAACACATGT
329601 GCAGCTACAT CTTCAGCTAC TCAGGGCCAG GAAGGCTGTT ACTACCTGT
329651 ATACCTGAGG CTACCTTGGC ATCTGGGCTT TAGTTGATTC GTCTGTGGGA
329701 GGAGCAGGGG ATCAGATTGT CTTGAAGGGC TCATGCCCTGC CTAATATCTT
329751 GGTCTGGAGC AAGAAATGCC CCTGCATAGC TGTGAGGAAG CGGCTGGCGT
329801 TTTCTAGATG GCAGTGGCCT GCAGACCTAT TGGAACCCCTC TCTAGGGAGG
329851 AACATGTCCC TCTGAGCTCA GCTCTTAGGG TCCAGTGCTC CACTGAGGTC
329901 TTCCCTGCAC CTCTCATGTC CGCCAAGAGG TTTCTGATG CCACCTCACC
329951 TGGTATGGCC TTCTGGGACA GGCAGGAGAC CAGGTCTGAG CTCCCTTAGA
330001 CTGTGTTGCA GGGAAAAAGT CATCACTAAG ACACACCCAA CTCTGAGAG
330051 AACAGGAAGC ATACGCTGGT ATCAGGCCCTG ACAGAACGTG GGAAAGAAAG
330101 TTCCAGCACACA GACAGAGCCC TGCTGGAGC TGGAACCTCT GAAAATGGAA
330151 GGGCTCTCCA TGTGGCTGGA GGACAAGTAG GATTGGGAA CACAAGCCAA
330201 GACTGCAGCC GAGGTGTGGC AGAGGGCTG GGGAGCTGAG AGAGTTACAC
330251 AGGGCTTCAC AAGACCCCTT TGCTCCAAAC AGACATGCCA CATGGAACCC
330301 CAGAGCTCTA GGGAGACAGG CCTCTGGACA GGATGCCCTAG CCCTCCTATA
330351 GACTGGCCGT TCTTGCAGCC AGTCATGGGA CCTCTCTGCT TCTGAATGTC
330401 ACTGTGTCAAG CCCAGCAGCC CTTTGACAG GCCATGAGAC CAGTCACCTC
330451 TGATGTGCTG GGGGTGATCC TGGGGCACC CATGCAAATC TTTTAAGTT
330501 CCTGGGGTTA GTTTTCCAC CTGTAATTA GGCTCACCCCT CCTGCTATTG
330551 TGGTGAGGGC CGCATGTTCC AGGCCACGGG ACTGAGCTCA GAAGAGCACA
330601 CGGCTCTGGT CACAAGAATG GGCAGAGGGT GATGAAATCC CTTGTCGCGT
330651 GGCCTCTTTG CTATGAGGCC CCCACCTACT CGGGACTGGC TGTTCTTAT
330701 CTTTGCTTC ACATCAGCAC CAAGTGTCCC TGGCATGAAC CCCAAAAAC

330751 AGTCAGAAG AGGGCTTCCT CCTACATCAT GCCGGTGGG GAAGAAAGCC
330801 CAGGGCCCCA GGATCCCCA GAGTCAGCCC CACTCGTGAG GCTGCTTTAT
330851 CCAGAGCATC AGGGGCCACC CCAAGGGCA AGTCAGGTCT AGGAGGGCCC
330901 CAGCCTTCCT GCAGGCTCCT CCCAGGACTT GCCCAGGGGC AGAGAGAAGG
330951 AAGCTGATGG GGAATAGCAA TACATCTT CCTCTGTAAA GATTCTATTT
331001 GCTGTTTAGC CCTATGTTT CTATGATAAT ATTCAGTTA TTTTTTAGAT
331051 AGTAAGTGGA GTGCAGCATA CATAGAAAAG TGACAGCTC AATGAAGCAG
331101 ACAAGAGCAT GCTGTGCAAC CACTGTCCCC ATAAGAAATA CAGTGCAGCC
331151 AGCACCTCG ACGCCCTCCT TCCTGCCTGC ACCCAATCCC CATAACCGTC
331201 CTCCTACCTG ACACAATTAT CATCCCACTT TTCTTTCTT TTTTTTTTT
331251 GAGACCGAGT CTTGCTCTGT TGCCCACTG TGAGTGCAAT GGCACAATCT
331301 CGGCTACTG CAGCCTCTGC CTCTCAGGTT CAAGCAATTG TGCCCTAAGCC
331351 TCCCAAGTAG CTGGGATTAC AGGGGCACAC CGCCACACCC AGCTAATTAA
331401 TTTTTCTATT TTTAGTAGAG ACAGGGTTTC ACCATGTTGG CCAGGCTGAT
331451 TTCAAACTCC CGACCTCAGG TGATCCACCC GCCTGGGCT CCCAAAGTGC
331501 TGGAAATTACA GGAGTGAGCC ACCGCGCCCCA GCCTATTACC CTGCTTTCT
331551 AATATCACAG AGTAATTTCG CCTATGTTTAACTTGTAT CAACGGACTC
331601 ATACAGAATG ATCTCTGTG GCCTGGCTGC TTGCTTCAAA CTATGCTGT
331651 GAGATTTGCC TATTGTCACT TCATTATAG CAGGAGTTG TTCCCTTTCA
331701 TTGATGATAA TATTCTGTG TAAGAATATG CCACCTGGGT TGATGTACCA
331751 GCTTGTTCAG AGTTGGGAA AATTATAAT AATGGTCCTA TGAATGTTCT
331801 TGCGCAAGCC TTTGGTATGC ATCTCTGTCA GAAATCTATC TCTTCGCATC
331851 AAATTGCTGG TGGAGAATAT GCACAGAGTA ACAAGATATT GATGCCCTGGT
331901 TTTAACATG CTCCTGTAT AAGAGTAGAC ACTTAACCAC GGTGGGGAGT
331951 GGGGAGGGAT GCCCTTGGC CCCAAGGTAC CCATTCAAGGG CCAGCTGGG
332001 ACACAGTCTT GAGGGGTCA TATTATTC CCCACCATGG CCTTGAGACC
332051 CTGGGTGTTG CTACAGGGCC CTCCCTGCCT TTGGGTCAGG GACACTTTTC
332101 AAGAATTTCG CATAAGGCTA AGGGCTCCCT GGGCCAAGAC AAAGGAATGT
332151 AGGCAGCAG CCAGGAGGGA GGCCAGGGCG GGACAGACCT TCCGGGCC
332201 TGCCATCCCC AGCCTGTAGA CAGCCACCTG CTCAAGAGGAG CCACCTACGC
332251 GTGCCCTCCC TCTCCACTGG GGTCCAGCAT CACAGGCC AAGCAAGCCA
332301 GGACAGCCCT GCTGGCAGCC AGCTGAAGAC AGGGTTGTGA GCACCCCTCA
332351 TGGCTTCCAC CCTGGGGGAC AAGAGATGTA TTCCCTCCT TAAGGAAGGT
332401 GCAGACCCCA CTTAGAGGGG AAACATTGTG ATTGCTCTT GTTGACTTGA
332451 GTTATATTTA GTATAATGTT ACTTAAATAT GTACAAACAT AAAACCAAGGT
332501 ACACGTTCTT TATGCAGGGA GCTCTCTCAC AGCCATAAAAG CTAAAACAAA
332551 TTTATAAAATG AAATAAAAGC AACTGCAAA ACCAATAAAAC TTCAAATTAA
332601 CAACATTAAT TTAATGGAC AAAGTGTAT TTGTTTCTG AACTAAATC
332651 AGCCTCACG GCTGACTCTG GGGCAGGCTG CTGTTGTTCT CCAGGGTTTT
332701 CTGCTACCTT GCCGTGTGCT GCATGATGAC TCAGCTCTCC CACCGCTCT
332751 TTCTCCATTC AGACCACTTC GAAACCTTC A TCCCTCACAGT CTCTTAGCT
332801 CTTAACGCT TGCTTGCTC ATCTGTAAAA TGAGAGGGT ATTGCTATGT
332851 ATTTGTTAC GAGAATTAAA CCAGTTGATG CAATGCAGCC TTCTGGCTTG
332901 AGACATGTGT AGTCACACAG GGGTCCACAC TCAGAAGGGG CCCATGCTTG
332951 CTTTAATGCT CTGCTGTGCA CATCTGAAA TTCTTTTTTT TTTTTTTTT
333001 TAAGACAGAG TTTTCTCTT GTGCCAGG CTAGAGTGCA GTGGCACGAT
333051 CTCGGCACCC TGGACCACCC ACCTCCGGG TTCAAGCGAT TCTTCTGCCT
333101 CAGCCTCCC AGTAGATGGG ACTACAGGCA CCCGCCACCA CGCCTGGCTA
333151 ATTTCTGTAT TTTAATACA GACAGGGTTT CACCATGTTA GTCAAGGCTGG
333201 TCTCGAACTC CTGACCTCG ATGATCTGCC TGTCTCGGCC TCCCAAAGTG
333251 CTGGGATTAT AGGCATGAGC CACTGTGCCT GGGCACATT TGAACTTCAT
333301 AACAGAGTTT CCCTCCGTCA CCGAGGCTGG AGTACAGTGG TGCAATCTCA
333351 GCTCATTGCA ACCTCCACTT CATGGGTTCA AGTGATTCTC CTGCTCAGC
333401 CTCCCGAATA GCTGTGATTA CAAGCGTGCACCAAGGCC CAGCTAACTT
333451 TTTGTATTT TTGAGAGA CAGGGTTCA CCATGTTGGC CAGGCTGGTC
333501 TCAAACCTCCT AACCTCAAGT GATCCACCCG CCTCGGCCCTC CCAAAGTGCT
333551 GGGATTACAG ACATGAGCCA CTGTGCCAG CCTAAATTCT TATAATTTTT
333601 TAAACAAAGG GAACTGCAATT TTATATTAC ACAAGGGCCT GTAAATTATG
333651 TAGCAGGTCC TATGCATAGG ACAAGTCAG GTATACAGTT GGCACCAAT
333701 AACTGTTAGC AGCTATTACT GGTACCTTGT CCTGGTTACT AAGTACAGAT
333751 TCTTGTGAT GTTTCTCT GATGACAGTT TTATCTTCCC ATTATTTAAT
333801 AGGGGTGGAG AGGCCACCTC ATGTGTGTA TTGTATTGTA CTAATTCTG
333851 GAGTGTAGTG TGTGCTTTGG AGCGAGGACT GCTGTGTTGA CGGAAGGATT

333901 AGCTTTCTGG GTCACGTGGG CGGCTGTAGC ACACCACCCC ACCAAAGCCC
333951 TCTCACTCGG GACCAGCCCC TAGGCTTCAG ACCTGTGTCT CTTAGGCTGA
334001 CATTCCAATG GGGTCAGGCC GAATACTGCT GTCTTCTTGA AACCTCTTAA
334051 ATAGGTGGCC AGAGTTTAAG TAAGTTAACCA GTTATGAAG TTGAAGACAC
334101 TTGAATGGAT GAGAAGCTCA GACAGACTTG CTAATTAAAT TTTCTTTT
334151 TATTGCTGTT CTCCTAAAAA AAAAAAAA AAAAAAAA AAAAGCTCAG
334201 ATTGCCCTTT TTCTGAGAAT GAGATTTAA TAAGCACAGC ATTTTGCAAA
334251 AGTAGAGAAC GGCATTAAGA TTTTGCAGG TCTCTCTATT TGCCCTCAC
334301 TTCTCAAGGC TCTTCTGCTG GCCCAAATAG GACACAGGCT GAGGGGATTA
334351 ACTGCTTAAAG TTTCAGGAAA TGGGAACAC CTTGGCTGCT GTCACCAAGAC
334401 TCAAGTATTA ATAACATCC CTGCCTGCC AGAGGACATC TCTGCAAGCA
334451 ACTCCATCAG CCCCAGCCAC CGCCCTGGCC ATGTTGAGAG TTTGCCAAAG
334501 AAAATGAAC ACTTGGGCCT CAAAGTGCAG GCATTAATAT CCTAAGTGT
334551 TCATCATGGA AGACTTTGTT CCCCAAGGAG AGTAAATCTT TCCTTGTGGG
334601 ATGCAGCAGG CTAAGGACCA AGCTGACTCT CTGAGCTCAG TAATCAGGCT
334651 AGTCTCCTGC TGAGGACACA GAAGGGAAGT CCGCTGTGTG TCAGCACCTC
334701 CTGCATGCC TGACTCATGC TTGGGGGAAG GACGGTGGAG TGAGAGGCAG
334751 ATATGGACCC TCCCTGGCA GAGCTCCCTG TTATCCCTGG AGTGGGTTAC
334801 TCCTTCCGCT GCCTGCAAAC GTAGGTTCC CTCAGCTAC GCAAAGGCCT
334851 GTGAACACAG ATACGTGGTC ACAAGCATCT TTGCAGCTGT TTCTTCCAC
334901 CAGCCTGGGG CCTGCTGGGT TCCTGAAACC TCAGGGTAAG TCAAGCCTCA
334951 GAGGTCACTCA GTAGCCAGTA TCCACTGTT TGCACCCCTT GGGAGAAGCT
335001 CGAAGAACAG GGCTGCCAAC TTCTTCAGTA AGATCCCCCA GGTAACCCCTG
335051 ACCCAAGTA GCTCCCTCCT CCATTAAGAG GAGCCACAGG CCCAGGTAAG
335101 CCACAGCCAC AGGCCACACA GGGCCCCAGG CTGGAGGACT CTAGAGCTAA
335151 GTCTCCAACA TGGCTATGTT ACAAGCTCTA GGTATGTGTG GCTGCTGAGC
335201 ACCTGAAATT AGGCTAGTCC AAATTGAGAT GTAAGTATAA AATACACATT
335251 AGATTTAAA GCCTTCTGTG GAAAAGAAG GTAATATCTT CATTAACTAA
335301 TTTTACATT GATTTTATGT TAAAGAGTA GTTAGATAT TATTAATTA
335351 CTATCAGCTG TTTCTTCTT TTACTTGGCT ACAAGAAATG TAAATCAGAT
335401 ATGTGGCTTG CATTGCCATA CCATTGGACA GCACTCCCT GGAGAGAAC
335451 GAGGAATAT CACAAGAGTC AACCAAGGAAG GTCAAGACTG TGACAAGGGA
335501 CTAACCTCTC CCTATGCCA GCGCTGGCC CCAAGCACATG CAACTCTGGC
335551 CCTTGATGGC CCAATCCGTC CTGCTCTGC AGGGGATGGC AAACCTGGC
335601 AAGAAGCTCC CAGAAGGGGA ACTGAAGGGC TGGTCTATGA CAAATATTAT
335651 CAGCATCAGA AAGTCAAAT GGGTTTCAGG GGCCACCTGA GAATTACAAG
335701 TCCTAACAGA TGGCCAAGT TTTCATCTTC TCTTCTGAGT TTAGTACAA
335751 AATCCAGAGA AACAGTTAA GATCTGTTGC CACATCAATG CCTACAAACA
335801 TTCACCACTC GCGATGCTGC CTTAGTGT AATGCAGCGC ACTCATTAC
335851 AGACTAATAA AATCGGAAGA GTTATATTTC CTTAAAATG CAGACATATC
335901 TGGGGTATCC ACTTAATGAC GCATATGGAA TAAATTACTT TTGGATGACA
335951 CTTTTAAATG GAACGTAAACT AACAGCTTAG TAATATGTG CAATAAGAAG
336001 AATATTAGGA TGATTTAAAG ATCTAAAAC TCTTGCAGAA TTAAATGATT
336051 AAACATAATG CTGAGTAAAT GAACAAGCCC GTGTATATTA ATCAGTTGT
336101 GGCCCTCCAGA AGCCGTCGTG TAACTAAATG CACGTACGG CGCTGCACGC
336151 GCGTGCCTCC TCTCTCCCTC CACGCCGGCT TCCATCATG CCCTCCTTAC
336201 CACCAAGCTG GGCAAACCTGC TTTTCCACA GACAAACAAT GCGTTAAGAA
336251 TGCAAGTGGT GTAAAGTGTGTA CAAGAGCTAT TGCTTCTTGG CAAACACTCA
336301 TTCCCTTGGT TGTTGGCTTC AAGAAATGGC CGTGTCAATTA ATTTTCAGTC
336351 CCTGTTTTA ACTGAAATGA AACTTTAAGG TGCAAAATT AATAGAATTC
336401 TGGCTTCCCT TCTGATTGTA GGAATTGACA TTCCCTGGTAC ATTCCCTTG
336451 TTGGGATGTC TCCTGTTCC CATTAAAGCCA CTCACCTCAC TGTGTTTAA
336501 TTCCCTTGGT ACTGTTGCCT ACCATGAGTC GCTCTTAGGA AGCTGGGGT
336551 GAGAAAGTCA TGTTGGGAGA AAGTGTGAT TCCAAAGCCC CCCGGTCAAA
336601 GCTGGCTGCT CTTCAAGGGTG GAGGAGGAAA AGCAGCTCTG TTGAGGTCCC
336651 AGGAGGGCAT CCCCTGCATC CCTCCCTCCC TCTGCCACTG GCCATGCCAC
336701 CCAGCACCGT GCAGGTGCCT TTTGTATGAC CTAGAAAATC GATTAACCTC
336751 CTTATGCAGT TCATCCCCCG CCTGCTCAGA GATAACCCAG GTAATTCTT
336801 TTCTGATTGT ATAATCTT CATAACCAAG TCACAGTCAT AATTAGTAC
336851 ATAAAAAATTC AGGTTACGAC TTAGGCTGTT ATTAGGAACA TGAAAAACAG
336901 TGAAAAGTTT TGTCTCACTC ACTCTCTAAAT AAAAACTCTC AAGGTCTG
336951 TTACTGAGAA CAGAAGGGAC TTGGTATCTC ATTAAGGCTA AAATTCAATT
337001 CAGAACAGAA TCTCACTAGC TGGGCTTGAT GCTGGGGCGG TGGGGGGCAG

337051 GAAAGGCTAG CCACTCCTGG CAAGAAGTTT AAAGCAGGTC TGTGCTCTCC
337101 ACACCCCTGTA TGTGTCGTGG CCTTCCCTCG GCTGGGCTGA GAATCTGTGC
337151 TTCCAAAACC AATGCCACAA GAAGCCCAGC AGAGGCATCT TCTCAAATGA
337201 AAATATATTTC CCCAACCAA AGTGCTGATC AAACCCATCT TGCAGCACAT
337251 CACACTGGAA ATAACACAG TGGAATTCCA TTAAGCCGAT GGCTCCTAAA
337301 GAACAAGTCA GCTTCTGAA AAGTCCCAGA TAAAGCACTA CAATTGTCTC
337351 AATGGCTTAA TGTAATCACC TACCAAGGGC ACTAGATTCA TCTTCCCCAA
337401 TTGGGCAAAT TAAGAGCCAT CGAAAGGAAT CACATTCCCA CAGTTACCCA
337451 GGAGACTGAG AGGGCCCTTC AAGACGGGC ACGCAGAGCCT CTTCTGCTG
337501 CAGGCACTTC CCTCCATCTG GCCCAACTCA GCCCTGGAAG CAGAGCTCAG
337551 GAAGTAGCTC TAACTGAACT CCAACTTACA ATGGAACCTC AGAGAGCCAA
337601 GTGTTTGAGT TCCAAGGATG GAGGTAAAGT TTTCAAAGG CTTCCAGTCC
337651 TGAAGACTGA GGCCCCATTGT GAGTTATTAA ACTCGTCCTT TCCAGATGGC
337701 ACAGCGGATT ATGACTATGC AACCCCTAGAC CCAGCAATTG GAGTAGTCT
337751 GGGCTTGGA TAATGTGGGG GTTATCATAC AAGCTATGGG GCAGGAGAGC
337801 ATAGAGTAGG GGTGACCTG CCTTTACAAA ATCCCAGTCC CCGCATTGT
337851 ATCTGAAATG CAAGAGTCAG ACCCTCACCT CACAGATCT CATTCTCAC
337901 TTTCTGAG GGCAGAAATG CTGAAAACAT TCATTTGTCA AAACTTGAA
337951 AGCCACAGGA CTGAGCCAAC AAGGAGAGA GCAATCAGGA CTTTGTCATC
338001 AGAGGAGGCG GACTGCCCT ACGTCTTAC AAATTTAGTC CGGAATGTAT
338051 TTTGCCATTA TTGTAACAT TGCCTTCAGC TGCCACGCCG TTTCAGGAAC
338101 GGAGCGCTAA TACATTCTGT GGCACAGTCT CTTTATGGGG AGGAAAGGAT
338151 CCCAGTGCCTT CTTGACAGAG AGAGAATAAT AGCATAATGC AACAGAACAT
338201 TTTTGAATAG CTAATACACG CTCTCCGCAA CTTAATTNTA TTTTTTCTT
338251 ATTGGCTTTT TTATATGACA TTTCACAGTC CTGTAGCCTC AATAGCTAGA
338301 TCTGCATCGT AAAAATGACA ACACGGTGTAT TAAAGGAGGA GAGTCCATCA
338351 GAGCAGAAATG GGTGGTGTGC TTTTAAAGTA TCAGTTAGC ACCTCTTAC
338401 TGGGATCAAT GTTCATTCTC AATACATCAT TAAAGCATCC TGTTAAATCA
338451 CTTGGAGAGT GGTTGTGCTC TTCTTATGCA GCCCCAGGTT TGATTATGGA
338501 GATAATGAAG TGGAACCTG CAGGAAGGGC CATGTTAGGC ACACGTACTT
338551 TATTGAGTTA GGGGCTACCA GGGAAAGGTTG ATCTGAATTA AAGAAACTTG
338601 AGAGGAAAGG AGAGAGAGAG AAGCAGAGCA GGTGCGTGGG CATGGAGGCT
338651 TCCATCGGAA CTGGATAGC AGCAACAGAT GCCGTCAAAT TTGAGACCTC
338701 CTCTCTAACG TTTACAAGCA CAGTGTTCAC CAAACCCATA TTCATAAGGG
338751 TCCGAGCTGC AGTGAAGTCT GCAGTCAGCA TGTAAGATGA GAGAGACACA
338801 CTGATGGGAC TGGTAGAACT TTCCAGACCC CAACCAAAGT GAGCTCAAAG
338851 GCAAACAGGA TTAACAGGTC CAGCACCCCT TACATGGAGC AGACAAAGGA
338901 CCAGACAAAG GACCACCTCT AGTGAGGGCT TGGGCCAGAG CATTGGCTG
338951 ATTGAAAAAAC TCCAGAACCC AAGTGAGCAT GAGTTCTAA GAACATATCC
339001 TTCAAGTCCA GCTGCCTGTA TGTGGCCATC GTAGACCCCT GAGACACGGA
339051 TGTTCTCGG TTTCTTTCC TTTCTCTGG AATATATTTT GTCAAAGTA
339101 ATACATGCTA ATTGTACACT ACTGCACATA AGAAAGTTGAA AGATAACCCC
339151 TCCCCAAATCC CACTGCTCTC TTATCCCCCG TCTCACGCC CATGGATAAA
339201 TTCCACTGGC AATTGCTTG GACCCACACA GGCTTCTCT CCTGCATGTA
339251 CAAACACCAC ACAGGTATTG TTGTGACCTG GGATCAGACT CCACACATTG
339301 TTTTGCAACT TGCTTTCTC ATTAAAACC ATTTCAGGTC AGTACAAATA
339351 GATTGCCTG GCTCTTCTT TTTTTTTTT TTTTTTTTG AGATGGAGTC
339401 TCGCTCCATC GCCCAGGCTG GAGTGGTGA GTGGCACGAT CTCAGCTCAC
339451 TGCAAGCTCC GCCTCCCGGG TTCACGCCAT TCTCCTACCT CAGCCTCCG
339501 AGTAGCTGGG ACTACAGGCG CCCGCCACCA TGCCCGGCTA ATTNTTGT
339551 ATTNTTAGTA GAGATGGGGT TTCACCGTGT TAGCCAGGAT GGTCTCGATC
339601 TCCGTACCTG GTGATCTACC CACCTCGGCC TCCCAAAATA CTGGGATTAC
339651 AGGCACGAGC CACCGCGCCC AGCTGCCTG GCTCTTCAA ATTCTATTG
339701 AAACAAAAC ATAATAACCA ATCCCTGAT GATGGATATT CAGGTTGTT
339751 TTAGTTTTC ACTAGATAAT ACTGCAATTG GCGTCGTTGG TCACAGATAT
339801 CTTTGCACAT CTGTGCAAGT ATACCATCGG ATACCTTCAC TAGAGGCTTC
339851 CTGACAACTC TTCCAAAAGT GACTGGCTCT TGTCTCCATG TTTTATGGTT
339901 TCCAAAGTTA GAAAAAAA TGAAACAGCT CACTCCCTCC TCCCTGCTC
339951 AGGATGAGCA GGAAGGCAGG TGAGGTTGC ACTTGGACCA TGCTCCTGCA
340001 GAAGCCGGGC TACCAAGACA AATGAGCCGG GCCTCCACCA CCTCCCATTT
340051 GACCTGCAAAT GTCCTCAGAA CTCCCCAGGA CTCCCTCAGTC ACCCAGGAAC
340101 TCAAATGTGC ATTAGCCAG CCTTTCAAAC AACACCCATG TAGGGGGTA
340151 GTGACTTGTC TCACTCAAAG TAGGGACAG CACACAGGCC AGGGAGGAAT

340201 TGGAGCCCTG GGAGTCAGCA TAGAATTCTC CATCATGTGG TGTGGGAAGG
 340251 CACAGACCAA AGTTGACCGG ACCCAAAGTG TTCTGTGCTG TAAACTGATG
 340301 ACCTGGGAGC TTGGGCGACA ATAGATGAAG CTCCCAGGAA GGGGAATCTA
 340351 GCCTCCGCTC TTGGTGAAGA CAGTGCTCAT GCTAAAGCCT GTTGAGTGGG
 340401 TTTATCAGTT CTGTTCTGAT TACCTGATGT CTCTGGCTCC TTGATTTC (SEQ ID NO:3)

FEATURES:

Genewise results:

Start: 10518
 Exon: 10518-10643
 Exon: 41341-41374
 Exon: 207620-207868
 Exon: 291903-292096
 Exon: 295781-295909
 Stop:

Sim4 results:

Exon: 2001-2175, (Transcript Position: 1-175)
 Exon: 10508-10643, (Transcript Position: 176-311)
 Exon: 41341-41374, (Transcript Position: 312-345)
 Exon: 207620-207868, (Transcript Position: 346-594)
 Exon: 291903-292096, (Transcript Position: 595-788)
 Exon: 295781-295904, (Transcript Position: 789-912)
 Exon: 337911-338449, (Transcript Position: 913-1451)

CHROMOSOME MAP POSITION:

Chromosome 5

ALLELIC VARIANTS (SNPs):

DNA

Position	Major	Minor	Domain
1107	C	T	Intron
5479	C	G	Intron
5480	A	G	Intron
6100	C	T	Intron
6122	G	A	Intron
6883	A	G	Intron
7641	C	G	Intron
8493	C	T	Intron
9626	T	A	Intron
9627	T	-	Intron
9796	C	A	Intron
9868	G	A	Intron
10209	T	C	Intron
10311	T	G	Intron
10831	C	T	Intron
12230	C	T	Intron
13378	C	T	Intron
13423	G	-T	Intron
13425	G	- C	Intron
14070	C	-	Intron
14116	A	G	Intron
14508	C	T	Intron
14645	A	C	Intron
14932	G	A	Intron
16272	C	G	Intron
16945	C	T	Intron
17065	A	G	Intron
17442	A	G	Intron
17475	C	G	Intron

17844	A	C	Intron
17929	A	G	Intron
18283	C	-	Intron
18540	C	G	Intron
18592	C	T	Intron
18616	A	G	Intron
20491	C	T	Intron
22023	A	G	Intron
22248	A	G	Intron
23118	G	C	Intron
23789	C	A	Intron
23800	T	A	Intron
23930	T	A	Intron
24159	T	G	Intron
26339	G	A	Intron
26508	T	G	Intron
26570	T	A	Intron
26582	A	G	Intron
26693	G	A	Intron
26884	C	T	Intron
27320	C	T	Intron
27339	A	T	Intron
27542	G	A	Intron
28586	A	C	Intron
28591	C	T	Intron
28599	G	A	Intron
30857	A	G	Intron
31503	A	T	Intron
33107	T	-	Intron
33671	A	G	Intron
35045	C	T	Intron
35944	G	T	Intron
37157	G	A	Intron
37603	A	T	Intron
39242	C	G	Intron
39404	A	C	Intron
40395	C	G	Intron
42294	G	T	Intron
43354	A	G	Intron
43522	A	G	Intron
44875	C	A	Intron
45677	A	G	Intron
46024	A	G	Intron
49591	C	T	Intron
49822	A	G	Intron
50057	G	A	Intron
50523	G	A	Intron
51537	C	T	Intron
52702	C	-	Intron
53996	T	C	Intron
56613	A	C	Intron
58383	G	A	Intron
58512	A	G	Intron
59951	G	A	Intron
63246	T	C	Intron
63904	A	G	Intron
65698	T	A	Intron
66118	A	G	Intron
66158	A	G	Intron
66604	G	A	Intron
67766	C	T	Intron
67863	A	G	Intron
69511	C	T	Intron

FIGURE 3, page 110 of 188

69538	A	G	Intron
69782	C	T	Intron
70895	T	A C	Intron
71575	C	T	Intron
72112	C	T	Intron
72665	A	G	Intron
72798	A	T	Intron
73738	A	G	Intron
81059	G	-	Intron
81061	T	- G	Intron
81328	A	C	Intron
81617	A	G	Intron
81788	G	C	Intron
81882	C	T	Intron
82932	G	A	Intron
84585	A	G	Intron
85092	T	-	Intron
85096	C	-	Intron
85100	T	-	Intron
85318	C	T	Intron
85467	C	T	Intron
85488	C	T	Intron
87268	A	G	Intron
89813	G	C	Intron
91487	T	-	Intron
92081	A	G	Intron
92888	A	T	Intron
93194	G	T	Intron
94938	C	T	Intron
95367	C	T	Intron
95495	C	T	Intron
95755	A	- G	Intron
97031	C	T	Intron
97176	A	G	Intron
97768	C	T	Intron
98400	C	T	Intron
99782	A	G	Intron
104080	C	T	Intron
104087	G	C	Intron
105134	C	T	Intron
105911	T	C	Intron
105944	C	T	Intron
105970	A	G	Intron
106134	G	A C	Intron
106148	C	T	Intron
107058	A	G	Intron
107310	T	-	Intron
108283	A	G	Intron
109168	G	- T	Intron
110938	A	G	Intron
111713	G	A	Intron
113984	T	C	Intron
115302	G	T	Intron
115352	G	T	Intron
115804	C	G	Intron
115862	A	C	Intron
118203	A	-	Intron
124933	C	T	Intron
126402	C	T	Intron
127387	T	A	Intron
128453	G	A	Intron
128584	T	C	Intron
128680	A	-	Intron

FIGURE 3, page 111 of 188

129116	A	G	Intron
129549	A	C	Intron
129820	A	T	Intron
129934	A	G	Intron
132304	A	G	Intron
133008	A	G	Intron
133347	A	G	Intron
133374	T	C	Intron
133636	A	G	Intron
134315	A	G	Intron
136612	A	G	Intron
136839	C	T	Intron
136964	A	G	Intron
137136	C	T	Intron
139365	C	A	Intron
141321	C	-	Intron
141736	A	- T	Intron
142173	A	G	Intron
142337	G	T A	Intron
142788	C	T	Intron
146349	G	T	Intron
147030	G	T	Intron
147884	A	G	Intron
148673	T	C	Intron
149048	A	T	Intron
151229	A	G	Intron
151848	A	T	Intron
152415	A	G	Intron
152539	C	G	Intron
153191	A	G	Intron
153232	A	T	Intron
153817	A	T	Intron
156544	T	C	Intron
156579	A	G	Intron
157391	A	C	Intron
158718	A	G	Intron
160186	A	G	Intron
161108	G	T	Intron
162060	C	G	Intron
165993	A	T	Intron
166679	C	T	Intron
167136	T	A	Intron
173782	T	- A	Intron
176290	T	C	Intron
181889	A	G	Intron
182606	C	T	Intron
184663	C	T	Intron
185392	C	T	Intron
186612	T	C	Intron
187014	C	T	Intron
187090	G	-	Intron
187290	C	G	Intron
187862	T	C	Intron
187937	G	A	Intron
188286	C	T	Intron
188478	G	A	Intron
189156	A	G	Intron
189488	T	C G	Intron
189909	A	G	Intron
189910	T	G	Intron
194673	T	A	Intron
194808	T	C	Intron
194884	A	G	Intron

FIGURE 3, page 112 of 188

195290	A	-	Intron
195939	C	G	Intron
196291	A	C	Intron
196533	A	C	Intron
197176	A	G	Intron
199693	A	T	Intron
199734	G	A	Intron
201371	T	A	Intron
201433	T	C	Intron
201848	A	G	Intron
202730	G	A	Intron
204904	G	A	Intron
205171	G	A	Intron
205991	T	G	Intron
206052	C	G	Intron
207237	C	T	Intron
208791	C	G	Intron
208799	C	G	Intron
209076	C	T	Intron
209143	A	G	Intron
209185	C	G	Intron
209499	C	G	Intron
209614	G	T	Intron
209708	C	G	Intron
210292	A	T	Intron
212286	A	C	Intron
212767	T	C	Intron
212809	G	A	Intron
213100	G	A	Intron
215017	A	G	Intron
215021	C	T	Intron
215180	C	T	Intron
215370	A	G	Intron
215412	G	-	Intron
216552	C	T	Intron
217007	A	G	Intron
217549	A	T	Intron
217567	A	G	Intron
218100	G	T	Intron
219737	A	G	Intron
220681	C	T	Intron
221225	C	T	Intron
221960	A	C	Intron
222673	A	C	Intron
223053	T	C	Intron
223881	A	T	Intron
224236	G	T	Intron
224238	A	G	Intron
225653	T	C	Intron
226563	G	T	Intron
227365	G	T	Intron
228457	G	A	Intron
228488	A	G	Intron
228531	A	G	Intron
228665	A	C	Intron
230490	A	G	Intron
230976	T	-	Intron
236111	T	C	Intron
236317	A	-	Intron
236323	T	-	Intron
236325	G	-	Intron
236345	G	C	Intron
236534	C	G	Intron

238076	A	G	Intron
239545	G	A	Intron
247765	A	G	Intron
250858	T	G	Intron
251536	A	G	Intron
252599	A	T	Intron
252647	T	C	Intron
252649	G	A	Intron
252783	G	A	Intron
253875	A	G	Intron
254076	T	C	Intron
254547	G	A	Intron
254892	A	T	Intron
258431	G	A	Intron
261462	G	A	Intron
262167	G	T	Intron
263806	A	C	Intron
265167	A	G	Intron
265258	G	A	Intron
267127	T	C	Intron
268343	C	T	Intron
268640	C	T	Intron
269021	T	G	Intron
269429	C	A	Intron
269739	A	G	Intron
271247	G	-	Intron
272820	T	G	Intron
274065	G	A	Intron
276592	G	T	Intron
276628	C	T	Intron
279257	C	A	Intron
279925	T	C	Intron
280127	T	A	Intron
280433	C	A	Intron
282808	G	-	Intron
283120	G	A	Intron
283749	T	C	Intron
284339	G	T	Intron
284382	T	C	Intron
287120	C	T	Intron
287415	C	T	Intron
287683	A	G	Intron
287699	G	A	Intron
287723	A	C	Intron
287833	G	A	Intron
288000	G	C	Intron
288050	A	T	Intron
288331	G	A	Intron
288438	C	-	Intron
288625	C	T	Intron
288819	A	G	Intron
291274	T	C	Intron
292997	C	T	Intron
296708	A	G	Intron
296744	T	C	Intron
297548	A	G	Intron
298436	C	T	Intron
300652	T	C	Intron
300653	G	A	Intron
300747	G	A	Intron
300776	A	-G	Intron
300874	G	A	Intron
301027	T	A	Intron

301640	A	G	Intron
302581	G	A	Intron
304512	G	C	Intron
305258	G	A	Intron
307676	C	G	Intron
309692	T	-	Intron
311656	G	T	Intron
311776	G	A	Intron
311901	G	A	Intron
312574	G	T	Intron
312593	C	T	Intron
312694	T	G	Intron
313283	A	G	Intron
313403	A	G	Intron
313982	A	G	Intron
314043	G	A	Intron
314103	G	A	Intron
314832	G	T	Intron
315368	C	G	Intron
315431	T	C	Intron
315993	T	-	Intron
316107	A	G	Intron
316352	C	G	Intron
319520	G	A	Intron
319699	A	C	Intron
320863	G	A	Intron
321530	T	C	Intron
323257	A	G	Intron
323754	A	G	Intron
324544	A	G	Intron
324599	A	C	Intron
324921	C	T	Intron
327295	C	G	Intron
330836	G	A	Intron
331239	T	-	Intron
331612	T	C	Intron
331823	C	T	Intron
334749	A	G	Intron

Context:

DNA

Position

1107 TGGACCCAGACAAAAACTGTGTGATGCCAAGACCAGCGCTGGCCATTCACTGCTGTATC
 TCTAGCAACTATTAATAGCACAGTGCCTGCTGCATTGGAGGGTTCAAGCGGCAGGAAAAT
 CTGTGGAAGGAAAAAACAAACGTAATATCTCTTCAGGTCAAGCCTCCATTATTCTT
 CCCCTTTCTTATTTAACTAACCTCATCCTCAGAAAATCCCCTGTCAACCCCC
 CCGGCCAGGAGAGATTACAGAGGCATGGACAGAACACTGTTCACCTAACGCCAGGAAGGCC
 [C, T]
 CTGGTGCCCACGCAGCCAGAGCAGGGCAGGCCCTCAGAAAGTCTCTGGCCATCAGCC
 TGGCCTGGGTAGGGGCTCCCTCTAAGTTCTGCCAGACTGAGGCTACGTATGACCATT
 TATGGGCCCTAGTTGTTACAAGGTGTTCCAGTTCATTGGGAAGGAAGACTGTACTC
 AAAAGCTGCTGATGTTAAAGAGGGATTCAAGAAAAGTTGGAGCCCCAGGCTGGGGATG
 GGATCAGGATGGGAAATATCCTGTTCAAGGGAGAAGGGACCCCTGGGCCAGCTAGG

5479 GCCAACATGCCATGTATGAAATGCTACACACCTACAGTGTGTAGGGCAGACACTTTT
 CATTGGAAAGGTGAGAATGCAGATGCTTCAGGGTCACAAATCTGACTGTTCTCTCAA
 GGCTGGGTGGCATTGCTGGTTCTGCCAAATCATCTTGTAATTCTGGCTCTGTTGATT
 ACAAAAAGAAGCCATTCTGTATGGCTAACCTTAATGGCTAGTCTGGTAAAGTTACCAA
 GTTCTGGGAGAGAGGCTGAGAGAGAATGGATGAACAATGCCACCGAAACTCTGAGGGC
 [C, G]
 AGAATTCCCATTCTCCAACAGGGCTGTTCTGGAATAGAAAGAGAAGTTGTATTAA
 ACCCATTGCCAGTTAATGGGATTGCTCTCTGGCCTATGAACTTGGTCAATAAGAC

AGCTTACATGCCCTGTGCGTTCTGGTGGGCAGATTGGTATTCATATGAATA
 CCTATTTCTCCCTAACAAATTGCACTCCTATTCATGCTTCTCAGCTTCTCAAAAG
 CAAGTCAGTATTGGAATGTTACATCATACTAACCTGTAATACCTGTAATTCTAAATA

 5480 CCAACATGCCATGTATGAAATGCTACACACCTACAGTGTGTAGGGCAGACACTTTTC
 ATTTGGAAAGGTTGAGAATGCAAGATGCTTCAGGGTCACAAATCTGACTGTTCTCTCAAG
 GCTGGGTGCATTGCTGGTTCTGCCAACATCCTTGTAATTCTGGTCTGTTGATTA
 CAAAAGAAGCCATTCTGTATGGCTAACCTTAATGGCTAGTGTGAAAGTTACCAAG
 TTCTGGGAGAGAGGCTGAGAGAGAGAATGGATGAAACATGCCACCGAAACTCTGAGGGCC
 [A, G]
 GAATTCCCATTCTCCCAACAGGGCTGTTCTGGAATAGAAAGAGAAGTTGTATTAAA
 CCCATTGCCAGTTAACGGGATTGCTCTCTGGCTATGAACTTGTCATAAAAGACA
 GCTTACATGCCCTGTGCGTTCTGGTGGGCAGATTGGTATTTCATATGAATAAC
 CTATTCCTCCCTAACAAATTGCACTCCTATTTCATGCTTCTCAGCTTCTCAAAAGC
 AAGTCAGTATTGGAATGTTACATCATACTAACCTGTAATACCTGTAATTCTAAATAC

 6100 TATTAGCTATTTAGAACACCTGAAAATCCTGGTTTACAAGGAGGTAGACAATCT
 AGTGGAGGTCTTCAGCATTGAGAAAAGCAAATCTGCCTATCTAAACAAAGAATCCAAA
 CTCCCACCTAGATGTAAGTGTGCCATAATATAAGGAACCAAACAGTTGCCCTGGGGCA
 GGATGCCCTGGGTTCCAGTTAGGCCTAGCCACTGATTGTCCTTGAAACCTGGTGGATT
 GTCCACCTCTGGTCTCTGGTGCCTATCTATGCCAGCCAGGTAGCACCAAGGTTCT
 [C, T]
 CTGACTGGGGGAATGCTGTTGAAGCTCTGGTAGGAAACACAGGGGAAGCAATGAAACA
 CCTCCCTCCAACAAAGATGGTAAAGCATCAAGTCAGTGTACTTTATGACTGTTGG
 ACAAAAGGTAGTCTCAGCTCTTATATGGGCAGTCCTAGGTAGATTATAATTAAAC
 TTAGGGCTTAGCAAGGATTGAATGAAACTTATAATCTAAATTGATCTCAAAAGGAGCTC
 TAGGTTAAAAGGGATTGTGACCTTATGGATGGCACCTCCCAATTCTATAATGGGA

 6122 TGAAAATCCTGTGGTTTACAAGGAGGTAGACAATCTAGTGGAGGTCTCAGCATTGA
 GAAAAGCAAAATCTGCCTATCTAACAAAGAACCTCCAAACTCTAGATGTAAGTGT
 GCCATAATATAAGGAACCAAACAGTTGCCCTGGGGCAGGATGCCCTGGGTTCCAGTTAG
 GCCTAGCCACTGATTGCTCTTGAACCTGGGTTGATTGTCACCTCTGGTCTCTGGT
 GTCCCTATCTATGCCAGGTAGCACCAAGGTTCTCTGACTGGGGAAATGCTGTT
 [G, A]
 AAGCTCTGGTAGGAAACACAGGGGAAGCAATGAAACACCTCCCTCCAAACAAGATGGT
 TAAAGCATCAAGTCAGTGTACTTTATGACTGTTGGAACAAAAGGTAGTCTCAGCTCTT
 TATATGGGACAGTCCTAGGTAGATTATAATTAACCTTAGGGCTTAGCAAGGATTGAA
 TGAAACTTATAATCTAAATTGATCTCAAAAGGAGCTCTAGGTTAAAAGGGATTGTG
 ACCTTATGGATGGCACCTCCCAATTCTATAATGGGAGATTCTGCAATTGCCCTATC

 6883 TCCCTCTTCTTCTACCGTATTTCTAGCCCATAAAATAGAGCAGCAGTGGAGACT
 GAGGGAGACTGCCAGGGCCCCATCCGGGTTAGAATGTTGAATTAAGGGTGAGCA
 GCTGGCTCTGCCCTGGGAGCCATGAGGAGGAGTAGCTGTGAGCTTCA
 GAGGAAGGAGAGTCGGGGCCAGGGCTCTATCTACTGTCTAGATTTCCCCAT
 TATACTAAAACAACTGTTATCAAAACAAACAGGCAGGACAAACAGACAGGC
 [A, G]
 GCAGCAGGGGGAGTTAAGAGAATAGATGCTGGGTCTACGTGCCGTACTGGAAATT
 AGTTTGCCACTTGTCTGCCACATGCCCTGGCAGAGTCCTAACCTCTGTGACCCCA
 TCTCTCTTCATCTGATTGAGGATAATCATTGCCCTCATGGAGTAGAAAAGGAG
 GTTATGAGTTAACCTGTGAAGTGTCTAGAACAGTGTGCTGACACATGTAATTGCTAT
 ATAAGTGTAAACAAATAGATAGTCTATTGATTAGACAGATAATCAAATTGAT

 7641 CTAGTGGTAGACAGACTGAGCTAACCTTACAAACAAAGCTGCCAGGGTATTCAGTAG
 TTGGCCTGGCTCATGTGTTTCTGTTCCAGAGTTCTGTTCCAGATACAATCTTA
 CAGGAAATATAACACAAACCAGATAAAACCAGTGGCAACTCCAGGCCAGCTCAGGCT
 TGGATCTGGGCTCTGAAACACAACCCAGAAACCAGCAGTGTGCTGATCCTTAT
 GAACTGATTGGCCTTGCAAAATCACAGTGAATGAATATATTATTTAATGCTA
 [C, G]
 CCATTAGTACAAACATAAAACATAATTGATCTTAGATTACAAGCAGATTAAAGTTA
 AATACCAGATTGTTGCTTATGTATTTCATAACTCCAAGAGTTGACATCTGTACATTAA
 CTAGAATAGATTGGATTATCTTGTGCTGTTCTGTTATGTGAGCTAGGAGACATGGAAA
 GGGAGAAAAGTAGACCTGCTCTGTGTTACTCTGTGAGCAATGTTGATAGTAGATA
 AGTAGGACAAAATTAATGAGAATAAGAAGCAATGCTTCTAGTTCTAGCTAAATTCT

8493 TCTCTATTAACAAATTAGCTGGCATGGTGGCATGCCCTGTCATCCCAGCTAC
 TCGGGAGGCTGAGGCAGGAGAACACTTGAAACCCAGGAGGCGGAGGTGCAGTGAGCCGA
 GATCGCACCATGAACTCCAGCGCAGGCTACAAGAGTGAACACTCAAGAAAACAA
 TAAAAACAGGTTGCAAGTAGGGAAAGACATTATTCTAGTCCGAATATGATTTCT
 TTTCTGCTCCTCTCCCTGTAAGATTCACACACCCTAGCTAGATCACTGGATCAAGAG
 [C, T]
 GCAGAAGCCATTGGGGGGCAGGGGAGGGAGTGCCGTGACTGCCGCAGTCCTCACAGTCCT
 CTCCCGGGTGGCAGCTGAAGCGGCAATTCCACTCAACTCTGCCTCTCAGAGTGTGG
 GGCAGGTGCTGATGGTGGAGACTGTGACCTTCAGATTATTTACTGACCACCCAGACTCT
 TTTCTGGTAGCTCAGTTGCAACAGATGTCAAAGAGTGAAGTGGACCGAAGAAACAGATA
 TAAGAGTGGGAGCTATGGACTTTAAACAAACAGACACCTCTCTTAAAGACAG

 9626 ATCTGGTTATGTTCTATAATCAGAAACTGAAATTATGGTGGACTGTGTTCACAGTGGAA
 AAACCTTTCCAAAAAAAGTACAGCTTATTGGACAAGTAAGATAGTCTGTATCCTCATTTC
 CTCAGCACAAATGCTTAGCACATGATTGGACTTGAATATTGTTGTAAGCTGATCCTTAGT
 TTTTCATCCATGTGATTATTGATTACCTGAAATTGCTCACTCTTGTCTTTAGGACT
 GTATACAGTAATGTTACAGTGAGCCTCAGGAAACACCTCAAAGGTATTGAAATTCTG
 [T, A]
 TATCATTGGATGCTTGGATTCTGCCACAAAAAATGGTGGCTTGAAACTAAGATATTAG
 ACCTTATGATGCCATTGAAAGCTCACTGTCTTAAACTGAGGTGTCGGCTGCAAATGA
 GGTGCCAGAGATGTAACATAATTCTAACATCATTCTTTTGAGACAAGAGTCTCA
 CTCTGTCGCCAGGTTAAAGTGCAGAGGTATGATCTCGGCTACTGCAACCTCCGCCCTCC
 CGAGTTCAAGCGATTCTCTGCCAGCCTGAGTAGCTGGATTACAGGTGCCTGCT

 9627 TCTGGTTATGTTCTATAATCAGAAACTGAAATTATGGTGGACTGTGTTCACAGTGGAA
 AACCTTTCCAAAAAAAGTACAGCTTATTGGACAAGTAAGATAGTCTGTATCCTCATTTC
 TCAGCACAAATGCTTAGCACATGATTGGACTTGAATATTGTTGTAAGCTGATCCTTAGT
 TTTCATCCATGTGATTATTGATTACCTGAAATTGCTCACTCTTGTCTTTAGGACTG
 TATACAGTAATGTTACAGTGAGCCTCAGGAAACACCTCAAAGGTATTGAAATTCTG
 [T, -]
 ATCATTGGATGCTTGGATTCTGCCACAAAAAATGGTGGCTTGAAACTAAGATATTAGA
 CCTTATGATGCCATTGAAAGCTCACTGTCTTAAACTGAGGTGTCGGCTGCAAATGAG
 GTGCCAGAGATGTAACATAATTCTAACATCATTCTTTTGAGACAAGAGTCTCAC
 TCTGTCGCCAGGTTAAAGTGCAGAGGTATGATCTCGGCTACTGCAACCTCCGCCCTCC
 GAGTTCAAGCGATTCTCTGCCAGCCTGAGTAGCTGGATTACAGGTGCCTGCT

 9796 GATCCTTAGTTTCTATCCATGTGATTATTGATTACCTGAAATTGCTCACTCTTGTCT
 TTTAGGACTGTATACAGTAATGTTACAGTGAGCCTCAGGAAACACCTCAAAGGTATT
 TGAAATTCTGTTATCATTGGATGCCATTGAAAGCTCACTGTCTTAAACTGAGGTGTC
 TAAGATATTAGACCTTATGATGCCATTGAAAGCTCACTGTCTTAAACTGAGGTGTC
 GCTGCAAATGAGGTGCCAGAGATGTAACATAATTCTAACATCATTCTTTTGAGA
 [C, A]
 AAGAGTCTCACTGTGCCAGGTTAAAGTGCAGAGGTATGATCTCGGCTACTGCAAC
 CTCCGCCCTCCGAGTCAAGCGATTCTGCCATTGAAAGCTCACTGTCTTAAACTGAGGTGTC
 GGTGCCCTGCTACCACGCCAGCTAATTGTTGATGTTAGTAGAGACCGGGTTTACCAT
 GTTGGCCAGACTGGTCTCAAACCTCTGACCTCAAGTGTACATCTACCTCCGCCCTACCAA
 AGTGTGGGATTACAGGTTGAGCCACTGCCAGCCATAATCATAGTTCTCGAGCA

 9868 ATACAGTAATGTTATCAAGTGAGCCTCAGGAAACACCTCAAAGGTATTGAAATTCTGTT
 ATCATTGGATGCTTGGATTCTGCCACAAAAAATGGTGGCTTGAAACTAAGATATTAGA
 CCTTATGATGCCATTGAAAGCTCACTGTCTTAAACTGAGGTGTCGGCTGCAAATGAG
 GTGCCAGAGATGTAACATAATTCTAACATCATTCTTTTGAGACAAGAGTCTCAC
 TCTGTCGCCAGGTTAAAGTGCAGAGGTATGATCTCGGCTACTGCAACCTCCGCCCTCC
 [G, A]
 AGTTCAAGCGATTCTCTGCCAGCCTCTGAGTAGCTGGATTACAGGTGCCTGCTAC
 CACGCCAGCTAATTGTTGATGTTAGTAGAGACCGGGTTTACCATGTTGGCCAGACT
 GGTCTCAAACCTCTGACCTCAAGTGTACATCTACCTCCGCCCTACCAAAGTGTGGATT
 ACAGGTTGAGCCACTGCCAGCCATAATCATAGTTCTCGAGCAGCTAATTGTGTGC
 CTAGCCCCAAATGTTCTCAGGAAACTAAGGCGTGGCTATATGGCAGCCTAATAGAGGT

 10209 GAATTACAGGTGCCTGCTACCACGCCAGCTAATTGTTGATGTTAGTAGAGACCGGGT
 TTCACCATGTTGGCCAGACTGGTCTCAAACCTCTGACCTCAAGTGTACATCTACCTCCG

CCTACCAAAGTGTGGGATTACAGGTTGTGAGCCACTGCCAGCCATAATCATAGTT
 CTCGAGCACTAATTGTGTGCCTAGCCCCAAATGCTTCTCAGGAAACTAAGGCCTGGCTA
 TATGGCAGGCTAATAGAGGTGACCCACCTGCCTCACCTGGTTGTTATAGATGTAA
 [T, C]
 GGTAGGTGGCATTCAATGGGTTCCACGTAACAGCATTATAGAGTTCTACTCTATG
 CCTGACACTAACCTCTCAATCCTCACAAAAGCCTTCGAGTTACATATTATTGCCATT
 TAGAAATAAGTAAACTAAGGCTCAGAAGTAATATAACCTCTCCAAGGTTAGAACAGAAGTT
 TGTTGCCAGGATTAAACCCAGGCTTATCTGATTCTGGGAACACATACTAACTCACTGT
 GACTTATTATATCCATCTCATATGTTTATTCTCAGCATTGTCATTCTCAACAGAC

10311 GTGATCCATCTACCTCGCCTACCAAAGTGTGGGATTACAGGTTGTGAGCCACTGCC
 CAGCCATAATCATAGTTCTCGAGCACTAATTGTGTGCCTAGCCCCAAATGCTTCTCAG
 GAAACTAAGGCGTGGCTATATGGCAGCCTAATAGAGGTGACCCACCTGCCTCACCTGGT
 TTGTTCTTATAGATGTAAATGGTAGGTGGCATTCAAATGGGTTCCACGTAACAGCATT
 ATAGAGTTCTACTCTATGCCTGACACTAACCTCTCACAAAAGCCTTCGAG
 [T, G]
 TACATATTATTGCCATTAGAAATAAGTAAACTAAGGCTCAGAAGTAATATAACCTCTC
 CAAGGTAGAACAGAAGTTGGTGCCAGGATTAAACCCAGGCTTATCTGATTCTGGGAA
 CACACTAACTCACTGTGACTTATTATATCCATCTCATAATGTTTATTCTCAGCATT
 GTCATTCTCAACAGACTCATCAAATGAAACCAGGAGGCTTTGGCTGCATCTCACAC
 TGCTCGGAGCCTCCCTGCCGGCTGCCGCTGGGATGGATGGACCCAGGAACCAGCAGAGGCC

10831 GCTTTGGCTGCATCTCACACTGCTCGGAGCCTCCCTGCCGGCTGCCGCTGGGATGGATGG
 ACCCAGGAACCAGCAGAGGCCGGATGTGGGTGTTGGGGAGTCACAGGAGGTTAGT
 CAAATCCCTCGGACATAACATTCAAACACTGATTGCTTCCGATGTTACAGTATCTGATT
 TCCCCTCCACCTTGTAGTTAGATCAGTTAGATCACAAAGTGAATTAAAATTGCACTTCCT
 TTTGGTGGGGACAGAAGAAGGCAACCTGTGTGGATACAGACAAGAGGTTGATAACACGA
 [C, T]
 GTGAGTAATGGCTCTAAACCTCTCAGATGCTGAAAGTGTATTCCGAAACCAAGCTTGA
 TTGCTGGTAGTCTCTACAAAGACCTCTCAGGAGAATGGCCTTCTGTATATTAAATAAA
 ACTCTGAAAATGCAGAGTAATTGGTGGAGCACACCCATGTGAATTAGTGAAGTATTAA
 TTATAAAATATATTGAAAAGAAATGGACTACTTCAGGTATATAGATAGAAAGCACCA
 GGCTGAGAAAGAACTGGCAAGTGGAGGTCTAAGGGAGAGTGCTTAATGAACAGATAAG

12230 TCACTAAACCTACACATATATTGTAATTTAATAGCAAAGCAACAGACAAACAC
 ACAGGTAAGCTTAGTCTCTACTATTGGGCTCATGCCACTGTTAAACCACTTA
 TTCAAAATAAAAGTATCAAGTCAATTAAAGGTGGATTAGCTGGAGGTAATTGAAGGTA
 AGTTAATATCAACCCAGGGCTTTATCTAGCTGTTAACACCTTAATTCTTGTC
 CAACAAGAAGGAGCAGATGCTGGTATTGGAGGAAGTAACGTTTGGGGTTAT
 [C, T]
 TGCTCCCCGTCAACCCCTGCTCCAGGGTAGCTTGTCTCCAAGTCCAGGAATGTTGC
 TGCTCAGGAAAGGGAGGTGATGACTGTGAGTCTGCACCAAGAACTATTGCCCTA
 TTGATCATATATAGTTTGCTATAGCTTTGCTTGCAGTATTATAACTCTAAT
 CATTGAAACTGTTCTATCAGTGAATTAGAGATGATAATAATGGATGGCCTAGGG
 CTTAGGATGCCCTAGTTAAAGGTTAGTCAGAGAACAGAACACTCCAGGTACGGTG

13378 TCACACCTGGCTCTTTCTGAATTCTTAGTCCTCTCTCTTTGTTCTTACT
 CTTTATTTTACGTTAGCATATGGATGGAGCCTGCTTATTTATCTTTCTTACA
 GTGCCCTAATAATTTATAAGCAAAATAGAGGTTGATGCATTAAAGCCATCGATATT
 TATGTGACCTTGGTCTGGTCATAAAAGTCACTCTGGTCTCCAAAATTAGCAGGAC
 CATCAGGTATTCAGCGCAGGGCATACCTCCCTGCACAGCAGGTCATCCCAGTGGGA
 [C, T]
 GTGGATGGTTTCCCCAGCAAATCTGTGAGCAGCCTGCAGGCCGGACAGGCTGCTC
 AATATCCAAGATAGTCCTTGCCTTATAGTTCTGGTAGTTATTATGAACTGTAG
 CTATTAATGTATCGATAACTCACAGTCAAACCATATTAACCTCTAGCAGTTCTGC
 AGACAGTCTATTCTGGAGAATCAAACCCAGCAGAGTTCTGAGACTCTAAATAAG
 TGAAAAACCTTTTCAGGAACCAGATATTAAATGTTCTGCTTCCAGTAGTAG

13423 TTTGTTTCTTACTCTTATTTTACGTTAGCATATGGATGGAGCCTGCTTATT
 CTTTCTTCTTACAGTGCCTAATAATTATAAGCAAATAGAGGTTGATGCATT
 AAGCCAATCGATATTATGTGACCTTGGTCTGGTCATAAGTCACTCTGGTCTCCA
 AAATTCAAGACCAGACCATCAGGTATTCAAGCGCAGGGCATACCTCCCTGCACAGCAGGTT
 CATTCCCAGTGGGACGTGGATGGTTCCAGCAAATCTGTGAGCAGCCTGCAGGCCG

[G, -T]
ACAGGGCTTCATCCTAATATCCAAGATACTCCTGCGTTATAGTTCTGGGTAGTTA
TTATTTGAAGTGTAGCTATTAAATGTATCGATAACTCACAGTCCAAACCATAATTAAACTCC
TCTAGCAGTTCTGCAGACAGTCTTATTCCTGGAAGAACAGTCAAACCAAGCAGAGTTCC
GAGACTCTAAATAAGTAAAAACCTTTTCAGGAACCAGATATTAAATGTTCTGCATT
TCTTCCCAGTAGTAGTACTTCACACAAACTCATGACTTAAGATTAAAGTACTTA

13425 TTGTTTTCTTACTCTTTATTTTACGTTAGCATATGGATGGAGGCCTGCTTATTATCT
TTTCTTCCTTACAGTCCTAATAATTATAAGCAAAATAGAGGTTGATGCATTAA
GCCAATCGATATTATGTACCTTGGCTGGTCATAAAGTCACTCTGGTCTCCAAA
ATTCAAGACCAAGACCATCAGGTATTCTAGCGCAGGGCATAACCTCCCTGCACAGCAGGTTCA
TTCCCAGTGGGACGTGGATGGTTCCCCAGCAAATCTGTGAGCAGCCTGCAGGCCGA
[G, -, C]
AGGCTTGATTCCTAATATCCAAGATACTCCTGCGTTATAGTTCTGGGTAGTTATT
ATTGAAGTGTAGCTATTAAATGTATCGATAACTCACAGTCCAAACCATAATTAAACTCC
TAGCAGTTCTGCAGACAGTCTTACCTGGAAGAACAGCAGAGTTCTGA
GACTCTAAATAAGTAAAAACCTTTTCAGGAACCAGATATTAAATGTTCTGCATTTC
TTCCCAGTAGTAGTACTTCACACAAACTCATGACTTAAGATTAAAGTACTTAGA

14070 TTACTTGATTGACCTAAGGGAAATAAGAATTAAATGACCAACCGCTGTGTGCACATA
TTTTAAAGCAATTATAGCAAGTGTAAATTATTGTGTTATGTACAAAGACTGCAGTGG
AATAGTTCAAGGAGTTACCATTTACAGACATAGATAAAAAGAAATACAGCTGGTGG
AGTGCCTCTTCATAAGAGTGGAGTGGCAGAACGTGCCCTAGAATACTAATGAAATTCTG
AATTCAAGAGGAAACAATTCTGAGAGGTACAATTATTGAAATAATGAAATGTTATAT
[C, -]
CCCCCCCCCTTATCTACACAGATGCATTGACTTATGACGGGATTACATCCAATAA
ACCCACTGTAAGTGGAAATATCATAGGTGAAAATGTATTCATACACCTATCCTACCA
AACATCGTAGCCTAGTCTGACCTGCCCTCAGCATGCTCAGAACACTGACATTAGCCTACA
CTTAGGGCAAATCATCTAACACAAAGCCTATTATAATAAAATGTTGAATATCTTATG
TAATTATTGAAACTGTACTGAAAGTGACAAACAGAAGGGATGTGGGACTTAAAG

14116 TGTGTGTGCACATATTTAAAGCAATTATAGCAAGTGTAAATTATTGTGTTATGTACA
AAGACTGCAGTGGAAATAGTTCAAGGAGTTACCATTTACAGACATAGATAAAAAGAA
ATACAGCTGGTGGAGTGCCTCTTCATAAGAGTGGAGTGGCAGAACGTGCCCTAGAATA
CTAATGAAATTCTGAATTCTGAGAGGAAACAATTCTGAGAGGTACAATTATTGAAATAATG
AAATGTTGTTATATCCCCCCCCCTTATCTACACAGATGCATTGACTTATGACGGG
[A, G]
TACATCCAATAAACCCACTGTAAGTGGAAATATCATAGGTGAAAATGTATTCATA
CACCTATCCTACAAACATCGTAGCCTAGTCTGACCTGCCCTCAGCATGCTCAGAACACT
GACATTAGCCTACACTTAGGGCAAATCATCTAACACAAAGCCTATTATAATAAAATG
TTGAATATCTTATGTAATTATTGAAACTGTACTGAAAGTGACAAACAGAAGGGATGTA
GGGCACTTAAAGTACGATTCTACTGAATGTTATCTACACTATGCTCATGTT

14508 TGACCTGCCCTCAGCATGCTCAGAACACTGACATTAGCCTACACTTAGGGCAAATCATC
TAACACAAAGCCTATTATAATAAAATGTTGAAATATCTTATGTAATTATTGAAATACTG
TACTGAAAGTGACAAACAGAAGGGATGTGGGACTTAAAGTACGATTCTACTGAAT
GTGTATCATTTCATACTATGCTCATGTTGAAAATCTAAGTCACCAACCAACCTAAC
AGGGACTGCTGTACACTGGTCAAGATAATAGTAGTAAATCAATATTGATAGAATT
[C, T]
TGTATTGAGGGGAAACCAAGGAACCAGGAAGGGTGGAGAAGTGATATGGTAGCAGCCTC
CAGAGAGCATACCTGCTTTGAGAAATAGGCATTGAGGGAGCCCCCACTTTGGGGCC
TGGGTGCTGCACTGGCCCCCCCACTTTGAGCAGCCTGGGTGCTGAGGGGGAGCCTCC
CTTTGGGGCTAGGGTGTGCCATTGGAGCCACCCATTGGGGCTGGGTGCTATG
GTGGGAGCCTCCACTTTGGGGCTGGGTGCTGTGTTCCAGCACAGCATCTACCCAT

14645 AGAAGGGATGTATGGGACTTAAAGTACGATTCTACTGAATGTTATCATTTCTAC
TATGCTCATGTTGAAAATCTAACAGTCAAACCAACCTAACAGTCAGGGACTGCTGTACAC
TGGTCAAGATAATATAGTAGTAAATCAATATTGATAGAATTGAGGGAA
CCAAGGAACAGGAAGGGTGAGAAGTGATATGGTAGCAGCCTCCAGAGAGCATAACCTGC
TTTGAGAAATAGGCATTGAGGGAGCCCCCACTTTGGGGCTGGGTGCTGAGGTGGC
[A, C]
CCCCCCCCACTTTGCAAGCCTGGGTGCTGAGGGAGCCTCCCCCTTTGGGGCTAGGGT
GCTGCCATTGGAGCCACCCATTGGGGCTGGGTGCTATGGGGAGCCTCCACTT

TTGGGGCTGGGTGCGTGTCCAGCACCAGCATCTCACCCATTGCTGGCTCTGAGAT
 TGAATGGTGGGCATACATGGTCTTACATGCATTTACTGAACCTTTCTA
 AACGACTCTAACCATGGCATATACATAGTCACGTACTACATACCTGTACATGTTAATAT

14932 GTGCTGCAGTGGCCGCCCCCCTACCTTGAGCCTGGTGTGGCAGGCTCCCCCT
 TTTGGGCTAGGGTGTGCCATTGGAGCCACCCATTGGGGCTGGGTGTCTGGTGGAGCTCC
 GGAGCCTCCCCTTGGGGCTGGGTGTCTGGCAGCACCAGCATCTCACCCATTG
 CTGGGCTCTGAGATTGAATGGTGGCCTACATGGTCTTACATGCATTTA
 CTGAACCTTTCTAAACGACTCTAACCATGGCATATACATAGTCACGTACTACATACCT
 [G, A]
 TACATGTTAATATTGATTCTTCTAAATTGTCACCTCATGTGCCTCAGTGCTTATAGAC
 CAGAGATAGGTTTGAGCTCAGACACCATTGGGTTTCAGTATTGCAAATTCTCTCAAAG
 TAAAGTCTTGAGAAGAAATATGTGGAGTGGTGTAGCTAACCTAACATGATTCCCCG
 CCTCCCTAACCTCAGGGGTCAAGCAGCATTGATCTACCTGACTGACCGGGCCC
 CTTCCCCTGCTACAAGTGTGATGGCAGGCATGACACTCTGTCCCCGAGGCATGGC

16272 TATAGACGTTACAGTACATTATAATTTCAGGCAAATGATGGTGGCAGAACCTCCCA
 AGGTCTCAGGGGATTGGGATTAACCCATTCCAATTGAGAATGGGTGTGCTGTAACC
 TGTGCCAGCACCTCTGAGATGCAATGTGCTTGACGGTCTGGATCTGTTAAAATG
 CAGATTCTAAATGCAGCAAATCTGAGGTGGTCCAAGATTCTGAGCTCCAGGTGATGCTG
 ATACTTCAGATCCTGGGGACACTGGGAAGAAAAGCCTAGAGGAGCCCCCTGCCTCCTC
 [C, G]
 CATGCACACACACAAGGAGAATCCAGTTGGATTGACTCTGGCTTTTTAGTTCTTG
 TGACATGATGCTGACTGCACTCAGGGAAAGGAGAGAAATGGGAGGCTGAGTCATGCTG
 GAAAATAGCTTGATGAGACTAGCTTAGTGGCAGGTAGGTGATGGGAAAGATGAACTTAA
 ACAACCTGGTCTAGGGTCAATTGACCTGTTCAAGCAGCTGGACAGGTAACTCTCA
 CTCTGGAACCCGTGGCTCCCTCCCTGGCTTGCTGTAGGTGGTTAAATTCTGAAAGAG

16945 CCACCGTGGCTCCCCTCTGGTGTCTATCCCATTCTGTCCCTAGGCCAGCCAGCTG
 TTTGGGGATGAGCATTGCTGATTGGTGAGCTGTTGGAGCTTGTGTTCTCTTTAT
 CCTTGAACAGGGAAAGTCAGTCTTGTCTTGCTCTCCACTGCTCCAGCCAG
 CCCTTCCACACTGTACCAAGTTAGTGCAGTGTGCTCTTGGTATTGAGATCATAGT
 TGACAATTAAATTGGCCCTGAAAAGTCTGTGACCCAGGAAATGAGCATTTATGAGTT
 [C, T]
 ACAGAAACCCATTATTTTCTTCTTAAATTAGCATTACTTGTCTAACTACTTATT
 TATTCTCTGTTGCTAAATTATCTATACTCCTGTAGGAAACTTCCACCCCTGTAATGAA
 GACATCAGGCTGTGCAATTGAAATGGGCTCAATTCTATTTCGGGGAGTTGCAGC
 ACAGATCTCCAAGTCCAATCATCTGCTTGTATTACCCCTACACCCCTGTTGCTG
 CTTTGCTTCCATTGGATGGAAGTAAATGTCGCTTGTCAGGCAGGCTTAACAA

17065 CCTTGAACAGGGAAAGTCAGTCTTGTCTTGCTCTCCACTGCTCCAGCCAG
 CCCTTCCACACTGTACCAAGTTAGTGCAGTGTGCTCTTGGTATTGAGATCATAGT
 TGACAATTAAATTGGCCCTGAAAAGTCTGTGACCCAGGAAATGAGCATTTATGAGTT
 CACAGAAACCCATTATTTTCTTCTTAAATTAGCATTACTTGTCTAACTACTTATT
 TTATTCTCTGTTGCTAAATTATCTATACTCCTGTAGGAAACTTCCACCCCTGTAATGA
 [A, G]
 GACATCAGGCTGTGCAATTGAAATGGGCTCAATTCTATTTCGGGGAGTTGCAGC
 ACAGATCTCCAAGTCCAATCATCTGCTTGTATTACCCCTACACCCCTGTTGCTG
 CTTTGCTTCCATTGGATGGAAGTAAATGTCGCTTGTCAGGCAGGCTTAACAA
 GGCCCAATGAGTGGCTACTCTTCAGGCCAGGCCAGGCTATGCTTGTG
 TCCATGGCTGTTCTGCCACTGGCTCTGGCTTGTCACCCAGGCCACCTGGG

17442 CCAATCATCTGCTTGATTATCCCTACACCCGTGGGTTGTGCTTTGCTTCCATT
 GGATGGAAGTAAATGTCGCTCTGTGTCAGGCAGGCTCAACAAGGCCAATGAGTGGC
 TCTACTCTCAGGCCCTGCCAAGCCAGGCCATTGCTCTGCTCCATGGCTGTGGCT
 CTGCCACTGGCTCTGGCTTGTCTGTGACCCAGGCCACCTGGGAGGTGGAGCATACTGG
 AACTAGACATGGAGGATGTGGGAGGATATGGGCCAGTGTCTGAGCAGGCCACCCAG
 [A, G]
 ACAGTGTGGTGGGTGCTGGCACATTGGTGTGGGGGGAGGAAGTGTGGCCAGGTGGCTGA
 GAAGGCCATCTGTCACCGCCTCGCCTCTCTCTGTGATGGTAGCCATCTTGGG
 CATTCCCTCAGTCAGGAAGGTCTGGAACAAGGAAACCCAAATGTTCTCTCTA
 AAAAAATCAGCCTTGTGTTACTCTGCCAGGAGTGTGTCCTGGCAGAGGTGA
 AGAATGAGTGTGAGTGGCTGAGGTCTTCAATCACAGGGTGAGTTGATCTTG

17475 GTGGGTTGTTGCTTTCCTCCATTGGATGGAAGTAAATGCGTCCTGTGTCAGGCA
 GGCTCTAACAGGCCAATGAGTGGCTACTCTTCAGGCCTGCCAGGCCATT
 GTCCTCTGCCTCATGGCTGTGGCTCTGCCACTGGCTCTGGGTTGTCTTCACC
 AGCCAACCTGGGAGGTGGAGCATACTGGAACTAGACATGGAGGATGTGGGAGGATATGGC
 CCAGTGCTCTGAGCAGGCGACACCGAGAACACTGTGGTGGGTGCTGGCACATTGGTGTG
 [C, G]
 GGGGAGGAAGTGTGGCCAGGTGGTGGAGAACCCATCTGCCACCGCCTCGCCTCTCT
 TGATGGTAGCCATCCTTGGGCATTCCTCAGTCAGGAAGGTCTGAAACAAGAGAAA
 CCCAATGTTCTCTCTAATAAAAATCAGCCTGTTACTCCTGCCAGGAGTGTGTC
 TCTTGGCAGAGGTGAAGAATGAGTGTGAGTGGCCTGCCGGCTGAGGTCTCCCTCAATC
 ACAGGGTGAGTTCAAGTGTGATCTGCACAGGGGTTGGGGAGAGCTGGTGTGGT

 17844 AGCCATCCTTGGGCATTCCTCAGTCAGGAAGGTCTGAAACAAGAGAACCCATGT
 CTTCCCTCTTAATAAAAATCAGCCTGTTACTCCTGCCAGGAGTGTGCTCTGGCA
 GAGGTGAAGAATGAGTGTGAGTGGCCTGCCGGCTGAGGTCTCCCTCAATCACAGGGTG
 AGTTTCAGTTGATCTGCACAGGGGTTGGGGTGGAGAGCTGGTGTGGTGTGCTT
 TGGTTAGGAGACTCTGAGAGCATTGTCTCCCTGGTCGGTGGGACCCGGCTAAGGTAGC
 [A, C]
 CCTGTCTACCTGCTGATGTTGTGCTAGACACTGAGCCCTGGCTTTCTCCTTGTT
 CCAAGAGGGCCTTGGGTGCAAATCAAACCCCTCTGGAGGGCTTAGCTGGAGACCGAAGC
 TGCCATTGGTGTGTTAAATACTTGAAGGTTAAGGTTGTGTTATTGGGATCT
 AGATTGAAAATGAGTGTGTTATTCTTTAAAGAGTTGAGAATGGAAGTCATATTCTATT
 TCTTGCAAAAGCCCTTCCAGAGAACATCAGTGAGACCACCACTGAGTCAGTCAGCTG

 17929 TGTTTACTCCTGCCAGGAGTGTGCTCTGGCAGAGGTGAAGAACATGAGTGTGAGTGGC
 CTGCGGGGCTGAGGTCTCCCTCAATCACAGGGTGAAGTTCTGATCTGCACAGGG
 GTTGGGTTGGGAGAGCTGGTGTGGCTTGTTAGGAGACTCTGAGAGCATTG
 TCTCCCTGGTCGGTGGGACCGGGCTAAGGTAGCCCTGCTACCTGCTTGATGTTG
 TCTAGACACTGAGCCCTGGCTTCTCCTTGTTCAAGAGGGCCTGGGTGCAAATC
 [A, G]
 AAACCCCTCTGGAGGGCTAGCTGGAGACGGAAGCTGCCATTGTTGCTTTGTTAAAATA
 CTTTGAAGGTTAAGGTTGTGTTATTGGGATCTAGATTGAAAATGAGTGTGTTATTTC
 TTTTAAGAGTTGAGAATGGAAGTCATATTCTATTCTGAAAGCCCTTCCAGAGAA
 TCAGTGAGACCACCACTGAGTGTGATGCAGCTGACAGAAGCGCCTCCCCACCTGTGAG
 GGAGTTGGCCTAGCCTCAGAGGTGACAGACGCTCCAGCACAAACCCACGCTTCAGCCCCA

 18283 TAAAATACTTGAAGGTTAAGGTTGTGTTATTGGGATCTAGATTGAAAATGAGTGTG
 ATTTCCTTTAAAGAGTTGAGAACATGGAAGTCATATTCTATTCTGCAAAGCCCTTC
 CAGAGAACATCAGTGAGACCACAGTGGATCTGAGCTGAGCAGACAGAGCCTCCCCAC
 CTGTGAGGGAGTTGGCTAGCCTAGAGGTGACAGACGCCCTCAGCACAAACCCACGCTTC
 AGCCCCCAGCAGGGGCTGGGCCCTGAAGCATGGCTGCTTTCAAGAGGACGTCCT
 [C, -]
 CCCTGCTCAGGCTGAAAGCTCTCAGTGCTCTGGTGGCCTGCTGGCTGGTGGCAGGGCT
 AGCTGCTGGTATAGGCAGGCTGATGTGACGGCTCTAGGCTCCTGGGAGAAATGGCTG
 CTGTGCTCTCCCCACCATAGAACCTGTTAAGTCTCAGCTGTTGTTGTTGCT
 ACTTTCTCTCCAGGATGTTGTTAAACCCCCACAATTGGTTTCTGTTGGG
 CTAATCAGTGTGCTCTGCTGCTGCCCTAAGGCATCCCCGGCCCTGCCTTGC

 18540 TGGGCCCTGAAGCATGGCCTGCTTTCAGAGGACGCTCTCCCTGCTCAGGCTGAA
 AGTCCTCAGTGCTCTGGTGGCCTGCTGGCTGGCAGGGCTAGCTGCTGGTATAGGC
 AGGCTGATGTGACGGCTCTAGGCTCTGGAGAAATGGCTGCTGCTCTCCCTCCCCCA
 CCATAGAACCTGTTAAGTCTCACCTGTTGTTGCTGTTGCACTTCTCCTCCAGGA
 TGTTGTTGTTAAACCCCCACAATTGGTTTCTGTTGGGCTAAATCAGTGTGCT
 [C, G]
 TTGCGCTGTGCTGCCGCTAAGGCATCCCCGGCCCTGCCCTTGCTTCAAGTGCACCCCTCAA
 CTCAGAGGGCCCGGAGGCTAAATCTGTTGTTCCCTAGCCAGCTGGAGCTAAGGGA
 ATCGCCCTCTCCAGCCTTAGGTTGCCAGAGTGAACATGAGGTACATGAGGTGCC
 TTTTCAGGGTTGTCATGAGCACTAAGATGGTACATGAGGTGCCAGAGATTGCTCC
 ACAGAACACACAGACAGAGCTGTGGTTGTTGTCATCCCAGAACCTCAGTCAGTG

 18592 AGGCTGAAAGTCTCAGTGCTCTGGTGGCCTGCTGGCTGGCAGGGCTAGCTGCTG
 GTATAGGCAGGCTGATGTGACGGCTCTAGGCTCCTGGGAGAAATGGCTGCTGCTC

CTCCCCCACCATAGAACCCCTGTTAATCCTCACCTTGTGTGTTCATGTTGCCACTTC
 CTCCAGGATGTTGTTTTAAACCCACAATTGGTTTCTGTTGGGCTAAATCA
 CTTTGCCTTGCCTGTGCTGCCGCTAAGGCATCCCCGCCCTGCCTTGCTCAAGTG
 [C, T]
 ACCCTCAACTCAGAGGGCCCCGGAGGCTAAAATCTGTTGTCCTAGCCAGCTTGGAG
 CTAAGGGAAATGCCCTCTCCAGCCTTAGGTTGCCACGAGTGAAATACAGGCAATATAA
 CAATACCATTTCAGGGTTGTCACTGAGCACTAAGATGGTACATGAGGTGCCCGCACAGA
 TTGCTCCACAGAACACAACAGACAGAGCTGTTGTTGTCACTCCAGAACCTC
 AGTCAGTGGCTGTCAAGAAGACTGTGCGCCCTCCTGAGGCCACAGTCAGTGTCAACT

18616 GGTGGCCTGCTTGGCTGGCAGGGCTAGCTGCTGGTATAGGCAGGGCTGATGTGCACGG
 CTCTCTAGGCTCCTGGAGAAATGGCTGCTGCTCCTCCCTCCCCAACATAGAACCTGTTA
 ACTCTCACCTTGTGTTCATGTGCCACTTCTCCTCCAGGATGTTGTTTTAAA
 ACCCCACAATTGGTTTCTGTTGGGCTAAATCACTTGCCTTGCCTGCTGCCG
 CCTAAGGCATCCCCGCCCTGCCTTGCTCAAGTGCACCCCACTCAGAGGGCCCCGG
 [A, G]
 GGCTAAAATCTGTTGTTCCCTAGCCAGCTTGGAGCTAAGGAATGCCCTCTCAGCC
 TTTAGGTTGCCACGAGTGAATACAGGCAATATAACAATACCAATTTCAGGGTTGTCA
 GAGCACTAAGATGGTACATGAGGTGCCGGCACAGATTGCCCTCACAGAACACAGAC
 AGAGCTGTTGTTGTGTTGTCACTCCAGAACCTCAGTCAGTGGCTGTCAAGAACAGT
 TGCGCCCTTCTGAGGCCACAGTCAGTGTCAACTTCAGCTGCTGCAGTTCTGCACT

20491 GGCTGAGGCAGGAGAACGCTTAAACCCAGGAGGGCGGAGGGTGCAGTGAGCCAAGATCAT
 ACCACTGCACCTCCAGCCTGGCAACAGAGTGAGACTGTCATGCTCAATAAAAACAAAGTAGGCT
 TCTCTGCTTCATGCTTGAGTGTTCATGCCCTGGCAGTATGGCTTAGGATCATATTTG
 TCCCTGAAGCAGAAATTCCCATTGACTTCTCTTACCTAGAGGGCTCTGAGCC
 CTGGGCTGGCTGGCAATCGGGACATCTGGTTGACTTAAATCTTAGTAATCAACAGACA
 [C, T]
 CCACTGAGCACCTAGCTGTGCCTGGCCCTGTAAGGCTGGCTAAGTGGTTGAAGAG
 AAATGGGATTGTGATTCTATCCTTGAGGCTTGAGGGCCATTGGGTGGGGTGGGAGGT
 AGGAGCAATCAGCTGCTTCAGAATGGATTCCAAGTTAGCAGAACAGAACACATTAG
 TTAATGATCTTTCTAGTCTGTATATAATGTCGAAATTAGATCTCAACTTTAGCCTAA
 AGAAAAGTGGGCATATTATTAAGTAATAAGAACAGAACATCTTATTAGAACAGAAC

22023 TGTGTGTAGAGATCACACGGTAACAGAGCAAGGAAGGTGAGAGTGAGAGGGTCCAGGCTC
 TATTTAAAAGCCAGCTCTTGGGAACTAGTAGGGTAGGACTCACTCATTGCTGCAAGGA
 TGGCACCAAGCCACTCTAACGGATCCAACCTCATGACTCAGACACCTCCATTAGGCCTC
 ACCCCCAACACTGAGGGTCAAATTGGCATTAGGTTGGGGGACAAACATCCAAAC
 CATAGCACCAGTTGTCAGTAATTCTTAGGAACAGAACACTTTATGACCATGCTGACT
 [A, G]
 GAACAAAATTATCTGTGATTGTTATCCATTCCAGATGAGAATGGTATATATAATTAAA
 TCTGAATTTATTCAAAATGACTGTCTTGTGTTACAAGTAAGATGATCATGAACTGCAC
 TGTACAAGAAATTCTTATCTGATATCTCACCGTGGATTATGAGAAAGAACATCA
 TCACAAACAGCTTAAAGAATGTGGTGAGCACAAATGGTGAGCGGCAAATGCAGCACAAAGC
 ATATTAGTTAGCAGCACAGGCCAACCGTGGTGACGTGAGAATTAGCACAGAACATGC

22248 GACAAACATCCAAACCATAGCACCAAGCTGTCAGTAATTCTTAGGAACAGAACACTTT
 ATGACCATGCTGACTAGAACAAAATTATCTGTGATTGTTATCCATTCCAGATGAGAATG
 GTATATATAATTAAATCTGAATTATCAAAATGACTGTCTTGTGTTACAAGTAAGA
 TGATCATGAACTGCACTGTACAAGAACATTCTTATCTGATATCTCACCGTGGATTATGAG
 AAAGAACAGAACATCACAAACAGCTTAAGAATGTGGTGAGCACAAATGGTGAGCGGC
 [A, G]
 ATGCAGCACAAAGCATATTAGTTAGCAGCACAGGCCAACCGTGGGTGACGTGAGAAC
 TTAGCACAGAAATGCGCTGGGTGGAAGGTGGGATTGGGAAGGACCTTGGAGGGAGG
 TACTTGGAGAGGAAGACCAAGGATCTGGGTGGCAGAGTATTAGAGTATTAAAGGAGG
 AACCCCTCAGAGTCTAGGTGAGGGTGGAAATAGGCCATATGTCAGGAGGGAAAACGG
 AACAGATTGGTTAAGGTGGTATCTGGGTCTGTGAGCCAGGGATTATCAGGGACGCTT

23118 TTTGAGTTCTGTCTGTATCCTCAGGTTCTAACGGGGCAGAGCCTTATTGGCTCAGCTTGG
 GGAAATATCTCCAGATCCATTGCTGTGGCAGGAGGCAGGTCCCAGTGGGTGAGGG
 GCCCTCCAGGGCTCTGAGGGAGGATGTGGGTGAGCGCTGGGTGGCTTGTGAGGA
 GTGGCAGGAGGTATTGTGGGTGGAGGACAGTGGTGAGGTGAGGCCAGCCTCAAAC
 CTCTCAGCAAGCACACAGAACAGTGAAGCCAAGTTGTATAAACATGGGCATTATG

[G, C]
AGTTGCATTTGGATCTCAGAGCAGGGTGGCCCTGGCAGTAAGGCCTGCCTGTGC
TGTTAAATCTTGCCTCCCTGCTTGTGCTGCTCCTCTCCCTGTCTGTCAAGCAC
CCTGCCATACCCCTACCTCACCAACCCGGCTGTCTGTGGCTGGCAGCTCAGAACCCA
ACTTATCCATTCCCTAGGATGTCCCTGCAGACAGGCTGTAAAACAGGCTTGGCCTCACAG
GCCGACTTGCATTTGCCAGTCACTACCCTGGCCTCCCCCATCTGGTGCCAGTGCC

23789 GCCACAAGTTGGGTATGGTGCCTAATGGGGTGTAGGTAACGAAGGCCTCATGCTCC
ATCCTCAGGAATGCCATTACAGAAGGGCTTGAGACTGGGAATTGGATCTCTGCTCT
GTCTTGACCTTCACCATGGGAGTATGCAGCAAGGAGGCCCTTGCAAATGCCAGCCCC
TCATCTGGACTTCCCAGACTCCAGAACTGTGAGCCAATACATTCTGTTATTAAA
GTACCCAGTCTCAGGTATTCTGTTATAGCAGCAGAAAATGGACTAAGGCAGCCTGTG
[C, A]
CGCCTGACCCCTCAAACTCACTAAAGGGGAGCAGGTTGGTGTCTAGTTGGCCCTGT
GACTCCAGAGATAACATATCCTGTGGCTGTAGGGAGCTCTTAGTGCAGCTGCTTGAGGT
TTAGCTGGAATCATTCTGGTAAGAAAGAGGGGTTACATGGGAGGGAGTCATGGCTTGA
CCAGATGCCCTTCTAGAAGGTCCACCACCCGCCAATCCAGCAAGCAAAATAGTTGA
GCTGCTGTGGATAATTGGCCTGTCATCATGGAAGACAAGATGAGATAGATGCACTCCC

23800 GGTGATGGTGCCTAATGGGGTGTAGGTAACGAAGGCCTCATGCTCCATCCTCAGGAA
TGCCGATTACAGAAGGGCTTGAGACTGGGAATTGGATCTCTGCTCTGTCTTGACCT
TTCACCATGGGAGTATGCAGCAAGGAGGCCCTTGCAAATGCCAGCCCTCAATCTGGA
CTTCCCAGACTCCAGAACTGTGAGCCAATACATTCTGTTATTAAAGTACCCAGTCT
CAGGTATTCTGTTATAGCAGCAGAAAATGGACTAAGGCAGCCTGTGTCGGCGCTGACCC
[T, A]
TCAAAACTCACTAAAGGGGAGCAGGTTGGTGTCTAGTTGGCCCTGTGACTCCAGAGA
TACATATCCTGTGGCTGTAGGGAGCTCTTAGTGCAGCTGCTTGAGGTTAGCTGGAAT
CATTCTGGTAAGAAAGAGGGGTTACATGGGAGGGAGTCATGGCTTGAACAGATGCC
TTCTAGAAGGTCCACCACCCGCCAATCCAGCAAGCAAAATAGTTGAGCTGCTGTGG
ATAATTGGCCTGTCATCATGGAAGACAAGATGAGATAGATGCACTCCCCACCTCCCCAG

23930 GAGTATGCAGCAAGGAGGCCCTTGCAAATGCCAGCCCTCAATCTGGACTTCCAGAC
TCCAGAACTGTGAGCCAATACATTCTGTTATTAAAGTACCCAGTCTCAGGTATTCT
GTTATAGCAGCAGAAAATGGACTAAGGCAGCCTGTGCTCCCGCCTGACCCCTCAAAC
CTAAAGGGGAGCAGGCTTGGTGTCTAGTTGGCCCTGTGACTCCAGAGATAACATCC
TGTGGCTGTAGGGAGCTCTTAGTGCAGCTGCTTGAGGTTAGCTGGAATCATTCTGG
[T, A]
AGAAAGAGGGGTTACATGGGAGGGAGTCATGGCTTGACAGATGCCCTTCTAGAAG
GTCCACCCCTGCCAATCCAGCAAGCAAAATAGTTGAGCTGCTGTGGATAATTGGC
CTGTCATCATGGAAGACAAGATGAGATAGATGCACTCCCCACCTCCAGTTCTGAATCT
CAGCTTGCTCCAGCTAGATAACAAAGTCTATTGCTTAAAGTTGTTTTGTG
ATATCTCTTCTGTTAGCCAAGAGTTAGAGAGGGCTAGGGAACCAAGGGACATCTTAGG

24159 GATACATATCCTGTGGCTGTAGGGAGCTCTTAGTGCAGCTGCTTGAGGTTAGCTGGA
ATCATTCTGGTAAGAAAGAGGGGTTACATGGGAGGGAGTCATGGCTTGACAGATGCC
TCTCTAGAAGGTCCACCACCCGCCAATCCAGCAAGCAAAATAGTTGAGCTGCTGTG
GGATAATTGGCCTGTCATCATGGAAGACAAGATGAGATAGATGCACTCCCCACCTCCC
AGTTCTGAATCTCAGCTTGCTCCAGCTAGATAACAAAGTCTATTGCTTAAAGTTG
[T, G]
TTTTGTTGTGATATCTCTTCTGTTAGGAGCTGCTGAGGAGGGCTAGGGAACCAAGGG
ACATCTCTAGGGTGGAGGATGAAAGGGGAGTCAGTGCATCTGGAGCTCTGGGCTGGAAGTCT
GAATGGCTCTCTTATCCTCTTATAAGAATAAAAGAGGAAGATCATGCCACTGCACTC
TAGCCTGGTACAGAGCGACAGAGCAAGACTGTGCTCAAAT

26339 GCACTTCTTCAGGCTGGGTCTATGCTATTGCTGGGGGACAACCAACAGGATGCTTTG
GGGGTGGAAATTGGCAAGTGGACAGCAGCTACCAAGATACTGAGTGTCTTGGCCCTC
TCTCAGCTCTCACTGCAGTCTCATAGACACTACCCCTACCTCATTTGCAAGATGAGGAAAC
TGAAGCTCTGGAGGTAAATGCCATGTATATGGTACCCAGTGGCCGGGGTCTGGGTGC
AGGTGAGCCCTTGTGCTCGTGCAGTCAAGCCCAGTGGCCCCATTCTCATGTCACC
[G, A]
GGAGGCTTCTCAGTCTGGCTGCTGAGCCTACTCTCCACCTGCATCCAGTGAGTTCT
GGATACTGAGCTGGCATGGCTCTCATGGAAGGCGAGTGTGGGCTGCCAAGCCATCCT
CTGGCTCCACTGACTTGTGGAGAGAAAATGGCACCAACTGTTACATTAGTTCTGTG

CCTGTGACACCCAGCTGATACCTCTGTTACGAAGGGACACCCCTCCCCATATGTGGAG
 TAACAGGGCACCTCATTGGAGAACCTGCCAGCCACTGGCACCTGCAGAGGTTGTCT

26508 GATGAGGAAACTGAAGCTCTGGAGGTTAATGCCATGTATATGGTGAACCGAGTGCCTGGGG
 GTCTGGGGTGAGGTGAGCCCCTTGTGTCCTGCACTGCAAGCCCAGTGGCCCCATT
 TCCATGTCAACCGGGAGGCTTCTCAGTCTGGCTGCTTGAGCCTACTCTCCACCTGCAT
 CCAGTGAGTTCTGGATACTGAGCTGGCATCGGTCTCATGGAAGGCAGTGTGGCCTGC
 CCAAGCCATCCTCTGGCTCACTGACTTGCTGGAGAGAAAATGGCACCACTGTTACA
 [T, G]
 TAGTTTCTGTGCTGTGACACCCAGCTGATACCCCTGTTACGAAGGGACACCCCTCCCC
 ATATGTGGGAGTAACAGGGCACCTCATTGGAGAACCTGCCAGCCACTGGCACCTGCA
 GAGGTTGTCTGAGGCAGCTGGCACCATGGTCAGAGCACTGCCAGGCCACTGGGC
 AAGAGTTGTAAGGTGTTAAGATGCATGATTAACCCAGTGGTCCAAACTTGTCCATAC
 ATTAGAACCACTGGGTGGCTTCAAAAATGCTGATGCCGTGTCACCCAGAGATT

26570 CTGGGGTGAGGTGAGCCCCTTGTGTCCTGCACTGCAAGCCCAGTGGCCCCATT
 CATGTCACCGGGAGGCTTCTCAGTCTGGCTGCTTGAGCCTACTCTCCACCTGCATCC
 AGTGAGTTCTGGATACTGAGCTGGCATCGGTCTCATGGAAGGCAGTGTGGCCTGCC
 AAGCCATCCTCTGGCTCACTGACTTGCTGGAGAGAAAATGGCACCACTGTTACATT
 AGTTTCTGTGCTGTGACACCCAGCTGATACCCCTGTTACGAAGGGACACCCCTCCCCA
 [T, A]
 ATGTGGGAGTAACAGGGCACCTCATTGGAGAACCCCTGCCAGCCACTGGCACCTGCAGA
 GGTTTGTCTGAGGCAGCTGGCACCATGGTCAGAGCACTGCCAGGCCACTGGGCAA
 GAGTTGTAAGGTGTTAAGATGCATGATTAACCCAGTGGTCCAAACTTGTCCATACAT
 TAGAACCACTGGGTGGCTTCAAAAATGCTGATGCCGTGTCACCCAGAGATTGT
 GATTTAATTGGTTAGGTATGGCTATACTCTGGATTATTTAAATGTCCCCATTGAGA

26582 TGAGCCCCTTGTGTCCTGCACTGCAAGCCCAGTGGCCCCATTCTCCATGTACC
 AGGCTTCTCAGTCTGGCTGCTTGAGCCTACTCTCCACCTGCATCCAGTGAGTTCTGG
 ATACTGAGCTGGCATCGGTCTCATGGAAGGCAGTGTGGCCTGCCAAGCCATCCTCT
 GGCTCCACTGACTTGCTGGAGAGAAAATGGCACCACTGTTACATTAGTTCTGTGCC
 TGTGACACCCAGCTGATACCCCTGTTACGAAGGGACACCCCTCCCCATATGTGGAGTA
 [A, G]
 CAGGGCACCCCTCATTGGAGAACCCCTGCCAGCCACTGGCACCTGCAGAGGTTGTCTGAG
 GCAGCTGGCACCATGGTCAGAGCACTGCCAGGCCACTGGGCAAGAGTTGTAGG
 TGTAAAGATGCATGATTAACCCAGTGGTCCAAACTTGTCCATACATTAGAACCACTGG
 GGTGGCTCAAAAAAATGCTGATGCCGTGTCACCCAGAGATTGTGATTTAAATTGGT
 TTAGGGTATGCCCTATACTCTGGATTATTTAAATGTCCCCATTGAGAACTGCTGGTTA

26693 GAGTTCTGGATACTGAGCTGGCATCGGTCTCATGGAAGGCAGTGTGGCCTGCCAAG
 CCATCCTCTGGCTCCACTGACTTGCTGGAGAGAAAATGGCACCACTGTTACATTAGT
 TTCTGTGCCGTGACACCCAGCTGATACCCCTGTTACGAAGGGACACCCCTCCCCATAT
 GTGGGAGTAACAGGGCACCCCTCATTGGAGAACCCCTGCCAGCCACTGCCACCTGCAGAGG
 TTTGTCTGAGGCAGCTGGCACCATGGTCAGAGCACTGCCAGGCCACTGGGCAAGA
 [G, A]
 TTTGTAAGGTGTTAAGATGCATGATTAACCCAGTGGTCCAAACTTGTCCATACATTAG
 AACCACTGGGTGGCTTCAAAAAAATGCTGATGCCGTGTCACCCAGAGATTGTGAT
 TTAATTGGTTAGGTATGGCTATACTCTGGATTATTTAAATGTCCCCATTGAGAACT
 GCTGGGTTAGCCTATGAGAGAAGTGTGGCAAAATGCCACTCTGTCTCATGTCTT
 CTCAGCACCTACTCCTCAAGGGAAATAACTGATTCAAGGCTGCAGGGACAAAGCTCCCT

26884 AGGGCACCCCTCATTGGAGAACCCCTGCCAGCCACTGGCACCTGCAGAGGTTGTCTGAGG
 CAGCTGGCACCATGGTCAGAGCACTGCCAGGCCACTGGGCAAGAGTTGTAGGT
 GTTAAGATGCATGATTAACCCAGTGGTCCAAACTTGTCCATACATTAGAACCACTGG
 GTGGCTCAAAAAAATGCTGATGCCGTGTCACCCAGAGATTGTGATTTAAATTGGT
 TAGGGTATGCCCTATACTCTGGATTATTTAAATGTCCCCATTGAGAACTGCTGGGTTAG
 [C, T]
 CTATGAGAGAAGTGTGGCAAAATGCCACTCTGTCTCATGTCAGCACCTA
 CTCCCTAAGGGAAATAACTGATTCAAGGCTGCAGGGACAAAGCTCCCTGTGCCCTTGCC
 CAGGCACAAGGCCCTCTGGAGGTGTGGGCTAAGGCTGGCGTGAATTCTGTGATGTG
 GCACGTGTGGGCAGGTATTCTACTTGAGGAGTGACATTGCAATGCCGTCTGCATGCT
 CCCTCATCCTTCACGACAATTTAGTAGCACCTTCATCTCTTCAGACG

27320 TCCTGGGAGGTGTGGGTGGCTAAGGCTGGCGTGTTCCTGATGTGGCACGTGTGGGCAG
 GTATTCTACTTGAGGAGTGACATTGCATGCCGTCTGCATGCTCCCTATTCTTTCT
 CACGACAATCTTATAGTAGCACCTTCATCTCCTCTCAGACGAGGAAACTGAAGTTC
 ATGGTGCATCCTACGTAGGAACAGAAAGAGGACAGGGAAATAAAACTGGATTTCTGG
 GATTCTCAGATGGGCCAGGTCTAAGTAAACACCAATCTAGCTGCTGACCAGTGGGG
 [C, T]
 CTTCTTCTCTTGTACTGTGAAAAGAAAATTGAAAAACGGTCTATTGTGCCTAA
 AGCCTTTAATTAAATATAACTCATTTAATTAAACTACTTAAAGTCCATTAAATA
 TAAGTGTATAGGGTACAATGAAAGTGCCTCTAATCAAAGTGTATGGGATTTACC
 TCCCTGTACAAAAGCTGTGGGAGCCAAACCAATGATTATTAGACAGCAATCCAAA
 ATCACCAAGACCCGTAGTGAGGCACACATGGTGGAGGTTCATGAGTGTGGTAGGAGTCGG

27339 CTAAGGCTGGGTGATTCCTGATGTGGCACGTGTGGGCAGGTATTCTACTTGAGGA
 GTGACATTGCATGCCGTCTGCATGCTCCCTCATCCTTCTCAGACAACTTATAGGTAA
 GCACCTTCATCTCCTTCAGACGAGGAAACTGAAGTTCATGGTGCATCCTACGTGAG
 GAACAGAAAGAGGACAGGGAAATAAAACTGGATTCTCTGGGATTCTCAGATGGGCAGG
 TCCTAAGTAAACACCAATCTAGCTGCTGACCACTGGGGCCTTCTCCTTTGACTC
 [A, T]
 GTTGTAAAAGAAAATTGAAAAACGGTCTATTGTGCCTTAAAGCTTTTAATTAAATAT
 AACTCATTTAATTAAACTACTTAAAGTCCATTAAATATAAGTGTATAGGGTACA
 ATGAAAGTGCCTCTAATCAAAGTGTATGGGATTACCTCCGTACAAAAGCCTG
 TGGGAGCCAAACCAATGATTATTAGACAGCAATCCAAAATCACCAGACCCGTAGTGA
 GGCACACATGGTGGAGGTTCATGAGTGTGGTAGGAGTCGGAAGTCCCTGGGGCTGT

27542 AAACTGGATTTCTGGGATTCTCAGATGGGCCAGGTCTAACGAAACACCAATCTAGC
 TCTGCTGACCACTGGGGCCTTCTCCTTTGACTCTGTGAAAGAAAATTGAAAAAA
 CGGTCTATTGTGCCTAAAGCCTTTAATTAAATATAACTCATTTAAACTACT
 TTAAGTCCATTAAATATAAGTGTATAGGGTACAATGAAAGTGCCTCTAATCAAA
 GTGTGATGGGATTACCTCCGTACAAAAGCCTGTGGGAGCCAAACCAATGATT
 [G, A]
 TTCAGACAGCAATCCAAAATCACCAGACCCGTAGTGAGGCACACATGGTGGAGGTTCATG
 AGTGTGGTAGGAGTCGAAGTCTCTGGGCTGTGCAGATTGAAGGAGGCGGGTGTG
 GAGAGGGCTTAGCATGGAGCCTGGCTGGTAATTGCTTAGTAAATGGAAGCTGCTACTG
 GGATGCTACTGCCATCCCTAGGACCTCGCTGCTCCCTGCTAGTTCTACTGCTGGT
 CCACAGCTACAAAGTAGGGAGATGACAGTGAAGAGAGAGGCTCCCTGGTGGCAGGAGG

28586 TTGCAAGCTAGGACCTGATGGGAAGGCATCCACAAAGCTGAGCCACAGAGGCTGTGAGGG
 ATGGGAGTGAAGAGGGGCCAGAGGAGATGCTCAGGAGGACAGAGGGAAACACTAG
 CTAGCAGGAAGATCCAAGGGGAGGGGACCTATTGCTGTGTCAGATGACAGTTCTGGTTG
 GAAGTCTGGATTAAGGGATCTCAAGTGTCCCTTGGAGAAGAGGGTGTGCCTGACCTT
 AACACTGCCACTTGGGTGTTTCAGCTTACCAATCAGACGCCACTGCAACCCAGT
 [A, C]
 CTGGCCCCAGCCGCCCTTCCAGCTTGCTCACCTCTCAGAGGCTCCAGCCTGATCAA
 TCACCGCTGGCCCCACCATGACTCTGGCACATTGCTTATGTGACAGCGTCTGTA
 TCTGTGACTCCCTAATTCTGTGAAAACAAGAATGAAAATAGACTCAGACATGAGGAC
 TGTACTGGAGGGCACACTTCTCTTTGTCTTTAATTCTAGGCACAGGTTATT
 CTAAACCTCATCTGGCTTGCAAGTGGCAGAAAGAAAATAGCAGATTGAATATCATG

28591 AGCTAGGACCTGATGGGAAGGCATCCACAAAGCTGAGCCACAGAGGCTGTGAGGGATGGG
 AGTGGAAAGTGAAGAGGGGCCAGAGGAGATGCTCAGGAGGACAGAGGGAAACACTAGCTAGC
 AGGAAGATCCAAGGGGAGGGGACCTATTGCTGTGTCAGATGACAGTTCTGGTTGAAAGT
 CTTGGATTAAGGGATCTCAAGTGTCCCTTGGAGAAGAGGGTGTGCCTGACCTTAAGCA
 CTGGCCACTTGGGTGTTTCAGCTTACCAATCAGACGCCACTGCAACCCAGTCTGC
 [C, T]
 CCCAGCCGCCCTTCCAGCTTGCTCACCTCTCAGAGGCTCCAGCCTGATCAATCACC
 GCTGGCCCCACCATGACTCTGGCACATTGCTTATGTGACAGCGTCTGATCTGT
 GACTCCCTAATTCTGTGAAAACAAGAATGAAAATAGACTCAGACATGAGGACTGTAC
 TGGAGGGCACACTTCTCTTTGTCTTTAATTCTAGGCACAGGTTATTCTAAA
 CCTCATCTGGCTTGCAAGTGGCAGAAAGAAAATAGCAGATTGAATATCATGTTAAA

28599 CCTGATGGGAAGGCATCCACAAAGCTGAGCCACAGAGGCTGTGAGGGATGGGAGTGGAG
 TGAAGAGGGGCCAGAGGAGATGCTCAGGAGGACAGAGGGAAACACTAGCTAGCAGGAAGAT
 CCAAGGGAGGGGACCTATTGCTGTGTCAGATGACAGTTCTGGTGGAAAGTCTGGATT

AAGGGATCTCAAGTGTCCCTTGAGAAGAGGGTGTGCCTGACCTAACGACTGCCAC
TTGGGTGTTTCAGCTTACCCAATCAGGCCACTTGACCCAGTCCTGCCAGCC
[G, A]
GCCCTTCCCAGCTGCTACCTCTCAGAGGCTCCAGCCTGATCAATCACCGCTGGCC
CACCATGACTCTGGCACATTGATCTTATGTCAGACCGTCTGTATCTGTGACTCCCT
AATTCTGTGCAAACAAAGAATGAAAATAGACTCAGACATGAGGACTGTACTGGAGGC
ACACTTCTCCTTTGTCTTTAATTCTAGGCACAGTTATTCTAAACCTCATCT
TGGGTTGAGTTGGCAGAAAGAAAAGTAGCAGATTGGAATATCATGTTAACAGGTGGA

30857
ATAGGCAATAGAGGGGACATCGAGCTTGCCTGCTGTGCTATCTCTGTTCAGCCCCAAAG
TGCTGGAGACTTGCACTGTTGTTGTTGTTGAGACAGAGTCTTACGC
TATCACCCAGTTGGAGTGCAGTGGCCTCCATTGAGCCTCTACCTCCCTGGGCTCAGG
TGATCCTCCCACCTCAGCCTACAAGTATCTGGACTACAGTAGGCACCACATGCCA
GCTAATTTCATATTGGTAGAGAGGGGGTTTCACTATGTTGCCAGGCTGGTCTC
[A, G]
AACTCGTGGCTCAAAGGAGACTTGCACATTGCTATATGCCATGCCAGCCCTC
TCCCCTCACATCTGGCTTCTGGAGATGAGAAAGCAAGCTCAGCCTCTGCTGATTG
GGCAACTCTAGGCAGGGCTGGCTGAAAGGTGCAGGGACCCCTGGCTTATCAAACCTC
CTCAGCTATCTAAGCCCTAAAGGTTAGTGTGGCAGCTGTGCTCCCCCACCTTGAC
TGGTCTTAAGGCAGTAAGCCATCTACCAGGGTACACACACCTCTAACCCAGA

31503
CCTCGATTAAGTGGCATTTCTCAAGAGGCCAGCACCCCTCGGTGTTTCACTGAGCACTT
GCAGCAAGCTGCATAACTGGAGGAAGCAGGGGGTGTAGACCCCTCCCCAGAATATC
CTGTTCTTGCTGGATTATTCAGCTGGCTTCAAACATGCCCGGGTTAGGGTTAATT
CTCTCACCTCTGGCTTGAAGACCCAGACATGGTGTGCTGAGAAATCCAACACTCA
ATAGTTTCCCTGCTGCTTAACTCAGCCATATAATGAGATAAAAGTGTGCAAACACTTT
[A, T]
CTGTGTGACAGTAAGTGGAGCCAGCAGTGGAAATACATGCTACATAAGGCCACTTA
TTAGCTGTATTTGTCACTGCAAGTGAAGATTTAATTGAGAATAGTGTCTTGTAGC
AAAAATGAACCTGCTTAGAGTCAAGTTTAAATTCAAGTGAATAATGAAAAATTGA
AGAAAAGATTGTTAAGAACGATTCAAGAACATCTCAGATATGAAAACCTAGAAC
TTAGATGTCAGAATTCACTGAGCAGTGAATCCATGGCAAAGCTTCCATCTCATCTGTAC

33107
TGCAGAAAATAATTCTCCTTAGACAATGCATCCAGGGCCTGGTGTCAATTATGCAAT
GAATTTCACTCCTTACATTCTGCTACAGCTTTGAGGGGTTGCTTTAAGCACTGGA
AAGATGGATTCTTATTAGCCTAAATAATTGAGGAAGCCGTTGAACCTACCTACCTCCA
AAAATAATCTGATCGTCCCTCTTAGCTCTTACATGAATGGTAATGTTGTTGATGA
TGGTGGCACATGTTGGAGGACTGCTGTGCTGGACACCAGCTAACATGGACAAGC
[T, -]
TATTATTATTCATGGTCACTACAACACTCTATGTGGAATGTGCTATTCCTGCTT
ACAGATCAACAAACAGAGACTAAGGAAATGTTAAATAATTCAACAAAGGTGACAGAGGCA
CAGCTGGCCCCACTCTAAATCCCTGTCAATTGTTACAGGATGTGTTGAGCATTCC
TTGGAGGAAGTAGAGTATAGTGGTAGGACCTCAGAGGTTGAGTCTAGCCTGATGTGGC
CACTTCTCATGTGAAATTCACTGAGTGCAGTCTTCCCTAGTACATCTTCTCATCT

33671
AGTTGCAGTCTTCCCTCAGTACATCTTCTCATCTGAAATTAAAAGTGGGTTGTT
CCCTCTATTAAACAAACTCTGATTACTCCTGGTAATTGCTTATTAAATTAAATT
ACTGGAGCATATCAAATATAGTAAAGACACATATTCTGAGTGTAGCACTGGTTAATA
TTTGTAAGTGAACATATCTATGTGACCAACCAAGATGATAATAGAACATTCCAG
CATCCCACAAACCATTCTGTGTCCTCCGGTATTACCTCGCAAAGGTTACTACTCATCT
[A, G]
TCATCAGAGATTGGTTGCTGTTCTGAGATTATAAAAATCTTATAAAACTGT
ACTATTGTTCTGCTTCTTCCCTCAGCGCTATGACAATGAGATTCACTGAGTACATTATC
ACATGTTGAGTTTCTTGTGACTGCAGTGAAGTTCCATTGTATGGATATGCC
ACAGTTATCTGTCACCTGGGACATTGCAATTACATATCATGCTGCATTGCC
TCTTATACATGCAATTGGTGTACATGAATGTAATTCTGTTGGACATTACTTAGGA

35045
CTCAGCATAAGGCCAATTAAATCTGAATGGACACTTGAAATGAAGTGTATTG
GTACAGTGTGATGTCAGTCAATTAGGTCAAGTTAAATTATAGTGTCAACTCTTC
TATATCCTACTGATGCTTTCTCTACTGTTCTATCAGTTAAAGACAGAGATT
TAAATTCTAACCAACATTATGTGGTAAAAAAATTCTCTTAGTTGAGTTCTG
GCTTGTGATATATTAGACTATGCTACTAGGTATGACAAGTTAGAATTGCTATATT
[C, T]

CTGTTAAGTTGTCCTTCTAATTATGAACCATCCCTTTACTGATAATAATTCT
 TGCCTACTTTATCTATGCCATGTTCTGGTTGAAGTTAATATGGTTATCATTAAA
 TTCTTACATTCAAGCTTTGTAAACATATAATTATGATATGTCTCTGTAGGCAGCAT
 ATAGTTGGATATTGTTCTATTATGCCAACCTTGTTGAGACAGAGCCTACTCTGTCTCCAGGC

 35944 ATAGGTTAAATATAACCCATGTTCTGTTCTATATTCTTTCTCTGCCTT
 CATGCTCTTTGGATGAGACAGTTGGTACTTCATCCTTGGTGTCAAGCACTA
 ATTGCCCCATTGGACAGTACTAGGACATATAACACTTAATCTCATTGACCTCC
 TGATCTTTAAAAAAATCATATTACTATGTTAGTCTACAATATTATCTT
 ACAGTGCAATTGTTGTTAAGTAGCCGAAATGTATTGTTATGGTTTTAATGCTT
 [G, T]
 TTGGTGCTCATTATTCTCTGCATAGCTATACTCATCTGAATAATTCTGGCTT
 TTGCTTAAAGTCGCTATAAAAGATTGCTTACTGTTAATTGTTGGCAATGTATT
 TCTCAGGGTTTTGCTAAATATCTGTTACCTTCATTATTACCTTATGAAT
 ACCCATATTTCATTGGATTCTAACTGTTTCAAATTAAAGATGGTGGGTACTATG
 CTTATTACGGTGAGCTTACACCAATCCCAGACATGCAGTTACCTGTATAGCA

 37157 TTGTTTATTTGTTCAATAGGTTGGAGAACAGGTGGTTACAGGTTTT
 AGTGGTATTGGAGATTGGTGCATCCATCACCTGAGCATTACAGTGTACCAAT
 GTGAGTCCTTATTGATTCTAGTTTATAATGAAATTCAAGCATCTTCTCCTATT
 CCTAAACATATTAGCCATAGTTCTAAAGCTGTGCCTAAGAATTCAAGATCTGGAT
 AACATGTGGCTCTGTTCTGTGGCTGTTCTGGATTAGCCATTGATCCCATT
 [G, A]
 TGCTATGCCCTGTAATTAGCTGGATGCTGGAGATTATATGAAAAATTGAAAGCC
 TGTGGATCACTTATAGATTCCACAGAGGATTATTTCTGTTAGACAGATAGAGT
 CCTGGAATATCATCTTATCTACTCAAGAATAGGAATAATTGAGAATATATGGCTTAG
 CAGTAAGTCTGCTGCATTGTCAGGGCGACTATTCTGAAAGCCTAATTGTTGCTCT
 TTAGTACCATGTAATTCTAAATCTATACTTAGATTATTGAGGTTTTTT

 37603 AAGAATAGGAATAATTGAGAATATGGTCTAGCAGTAAGTCTGCTGCATTGTCAGG
 GCGACTATTCTGGAAAGCCTAATTGGTCTCTTACTGTTACAGTCAAAATCT
 ATACTTAGATTATTATTGAGGTTTTTTCTGTTCAAGGCTACTTTAACTT
 GTTTCTCAGCCTTGGCTTATGTGTAGCTCAGGCTAAATCATATAACTCAAGGG
 AAGCCGAAATGTTGAGCTCACTCTTCTGGTTCTGGATTGACCTCA
 [A, T]
 TTTCTGGCTTGGTAGCCTGCACCTGTGTTATTCCATCTCAGAGAGACTTC
 TCTAAGTTCTAGAAATTATATTCTGTTGGCTCTATGAAAACAGCAAATGTCGCAA
 GGGGAAATGTCAGTGAATATGGGCTCATCTCAATGGACTTCTCATAACCTTCC
 TTTAAATTCTGGCTGCTTGTGTTGGATGCTTCAAAACTTTTTAATTCCA
 CTTTATAATTGTTGATAGCAGAAGGATTAGTCTCATACAAGCTACTTTTATGGCACA

 39242 TTTTTTATTCAACAAATATGATTGAGCATCTGCTACAGCACTGATGATGCAAGA
 GTGAAAAAAGATACTGGGCCATCCAACCCACATTCCACTAGAGGGAAACAGTCATAAAA
 CAAATGAGTAAAGGAACAAGCTTTCAACTAGCACATACATTATTAAACTCA
 GTAAAATGTTATGGTTCAATTATAAAACATATCTCAGGCTAAAGCCAGCCTG
 TCACCTAATGGGAAATGCTAAAGGTTCTCTGAAAGCCTAAAGCCAGACAGGTG
 [C, G]
 CAGTATGAACACAAACGCCAACATGGTTGAGAATTGGTAAAGCTCTAAGGCAAGAGAA
 AACACCTGGAAAGTATAGGAATTGAAAGAGAGATAAGATAATTGCTGTTGCAAATTAC
 ATAAATACTCAAATGGAAACCCAAAAGAATCAATGGAAAACCTATTACAAACAGTAAAA
 TTTAACCAAGAAGCTGGTTATAAAATAAAATAAAAATATTGTTAAATTGCCATCAAAT
 ATACAAACAAAATCAGCTGGAAGAATAAAAGAGAACATCCCATTATGATAACAAAA

 39404 ATTATTTTAAACTCAGTAATGTTATGGTTCTTAATATAAAACATATCTC
 AGGCTAAAGCCAGCCTGCACTTAATGGGAAATGCTAAAGGTTCTCTGAAAGCAA
 AAGCCAAGACAAGGGTGCCTAGATGAACACAACGCCAACATGGTTGAGAATTGGTAA
 AGCTCTAAGGCAAGAGAACACCTGGAAAGTATAGGAATTGAAAGAGAGATAAGATA
 ATTGCTGTTGCAAATTACATAAATACTCAAATGGAAACCCAAAAGAATCAATGGAAAA
 [A, C]
 CTATTACAAACAGTAAATTAAACCAAGAAGCTGGTTATAAAATAAAATAAAAATATT
 TTTAAATTGCCATCAAATACAAACAAAATCAGCTGGAAAGAATAAAAGAGAACATC
 CCATTATGATAACAAAAGACATACAAAAAGAAATTCAAATACGCACAAGGAAAC

TATAAAATACTCTTGAAGAAGCAAAAGTAGACTCAAACAATTATTAACCTGTGTTA
 TTAGATAAGAACATGCACATTATAGATGTCAGCTTCCCTAAATTAAATTATAAATT.

40395 TTTCATCTCTAATATTGCCCTCCCCCTCTGACAAGAGGATGCTAGACAAGAACATGCTAAGG
 TGTGAAAGACAATGCTATTACCTTAAAAGCACTGTTGCTGAATTACCTTCTGGCTGCG
 GTGTTGAGGTGGTAGTCCCAGTTGGTTCTCTCTCTCTTTAGTGCTAGATGG
 ACTTTCAGCTTATTTAACCTTAGGTTTATCCAAAACATGTCGTTATGATGAATT
 GGAGATACTTTATATTAGTTATGAAACTGCAATATGCTAGTCTTCCCCCATTA
 [C, G]
 TTCTCACCAAGGACTTTCATCTCTAGAGCTACCCCTGAATTTCATACCACCCACATT
 TTCCTATGCTATTCTCTTCTGGTCCACCCCTCCCCATTTGTCTGAAAATCT
 GCCTGTTCTCAGTGTCTTCAAGGTTCTTTAAAACACTTTCTTATGTTCCA
 ACTGGAATGTGAAATGCTGGTATTACAAGAACATCACCTTCATTCTCAGTAATT
 GTGTTGTTCTGTGGCCCCCTAACACTGTGAATATCAATGCAAGGTACTCAGTTTAC

42294 CTAGTCTCTAATAAGGGATGCCCTTGTATGATTGTGGAATCATTAAACAATCATCTTT
 TATTACATGGATAGAATGATGAGATCAGAAACGAAATGAGTCTGGTCTAGAACATT
 CTTGGTTTACCCCTCACACATCTCTGTGGTACTGCTCCAAAGAGGGAGACAA
 TCTAAAAGAAATTAGCAAATTCTATATTGACTACTAAATCTAACATTGCTTGCCTCCTG
 ATTAGTCTTGTGTTATGCAACACAGCAAAGACATAGAAATGGCTATGTTATCAACATGC
 [G, T]
 TTGATACATGGATATTCTGCTGGGACCTTGGTAACACAAACTTTCACACTATATTGA
 GTCCAGCTGGTAGTGTGCTGCTGTCATGGTGTGGACTGGATCCCTAGGGTCATAGGATCTGGA
 TAATCTGACTCTAAGATGAACTTCTGGTTACATTCCATTGCCATTCTGGCCT
 CGGACTCGATGTCCTCTGAACATAGGACAATATGTAAGAACACTGCATTGTTGAATA
 TCAAAACCAAATGGATGAAGGTTGATGGAGCTGGGAAGGGAGTTCTTATGGAAAGTAGT

43354 TCCTATTGTGCACTGATGTCTTCTGCTTGTCAAAGTTGAATGTTGAGAGTT
 CCTGAAATAGCCCAGTGCTGTAACGTCAATGCTTACAACCTGGCAGGAAGAAAAGGAGTG
 GGACCTTGGCGCTGGTCTAAGTATTTAGTCTGGAAATTCACTGACTCACTGACTT
 GGGTTGTTGGGGTTGTTAATCTTCTCAGAACAGTGTACAAGTATAAAAAGAATAGAAGCA
 CTATGGTCTTCAGTAAACTATTTCTGTCAGAAAGAAAGTAAGATATTGTCTAGCAATG
 [A, G]
 ACACCTGGTTGGTCCCAGCTGACTCGACCCGGACTGAAAGAGGAACAGATGAGTA
 ATAGCTGATTTCTGACAGCTTACAAGGCCAGGAGAGCTAGAAAGTCTTCAGGTCT
 AGAGAGGAAGCTCCAGTCAGAACCTGAGGAGTTCTGTTGATTGCTTATTT
 CAATACTGTACCTGACTCAGGAGCATCCCTCATTGAAGTTAGGCCACAAATGGCT
 ACCAACACTGCAACTTCACATTATGACTTTGGAAACTCTTGACTAAGTATGTGTTG

43522 ACTCACTGACTGGTTGGTTGTTAATCTTCTCCAGAACAGTGACAAAGTATAAAA
 AGAATAGAAGCACTATGGTCTCAGTAAACTATTTCTGTCAGAAAGAAAAGTAAGATAT
 TGTCTAGCAATGAACACCTGGTTGGTCCCAGCTCTGACTCGACCCGGACTGAAAGAG
 GAACAGATGAGTAATAGCTGATTTCTGCACAGCTTACAAGGCCAGGAGAGCTAGAA
 AGTCTTCAGGTCTAGAGAGGAAGCTCCAGTCAGAACCTGAGGAGGTTCTGTTG
 [A, G]
 TTGCTTATTCATAACTGTACCTGACTCAGGAGCATCCCTCCATTGAAGGTTAGGG
 CCACAAATGGCTAACCAACTGCAACTTCACATTATGTGACTTTGAAACTCTTGACTAA
 GTATGTGTTGAGAAGTGTGAGAGGGCTAATGTTAGCAGTGGAAATGAGTCCAAGCCAA
 ATCATAGTGGAACTAGCGACAGTAGGGCAAAGTGAATGCAATTGTCAGGAGCTTCTG
 CCCTCTGCCATTTCCTCCAGCCGTAGATGTCATGCACTAGCTAGCTT

44875 GGAGAAAATCCATTCTGGTTTAAGTCACCTAGTTGTGGTTATTATGGTGGCCCT
 AGGACAGTAATAACACTTGGAAATGTTGGACTCAGTAACCTTAGTTCTATTGTTG
 ATGATGATGATATTTGACTGGAGAATCTCTCATGATTTCTCATAGACAAATGTCAC
 TCAACAGGGATGTAATATGCACTGCACTTCCAAACTGGTTCTGTGGGATTTAACAAA
 ATTAATTGTGTTGTTTAACCATCTCAGGGCAGGCATTCCATGCACTGAGTGCCTTGGCAAA
 [C, A]
 CCTGCCCTAGAGAGGCCAGGAAGAGGCAGAGCTCCTCAGAGTGCCTCAGGCACCAGACTG
 TGCTCCATGGCTGTGCATGTACAGAACAGTGTGACAGCAATAAGAACATCTCTTG
 GTTGTGTTCTGATGTTCTAGAGAACAGTGTGACAGCTTACCTCCCTTGTGAGTAACC
 TGTGACACAGAGCAGATAGCACTGCACACATGAGACTCCTCTTCTGTTGAGTAATT
 AGTAGGGATGAGGAATGCTCTGGGCTGGTGCCTCTGATGCCCTGAACCTCTTTAG

45677 AAGGGTGCATGCCCTCCCAGGGAGACAGAGCCATTCCCTCAGGACAGTCGTATG
 ACCCTGGATATTCATGCCCTGGGACCTCCCTATATGAGCTCATGGAAAGAGTGATGGCT
 GCATCTCTGTGCTTCCAGTGCAGGTATTTATAACTCCCTCCAGACATCTAAAATT
 TAATTCAACCCTTTCTGAAGCTCAGCAAAAGGTGCCACCCCTAACCTTCTAAGATACT
 CCCGTGTCCACTGTGAGGGCCAATGCTGATTGCGACTGCCAAATTCACTACTCAAACC
 [A, G]
 GTACTTTCTGACTGTTCCCACATGTTGAATTACAGCCATGAGCGAACACTTGAGTA
 AGCTGAGCAAATGGCTGGGATAATCAGCCCTGTCAGGCATCTGAGGAGCATAGGGC
 GATCTGTAAGCTATTCCAGATGTCGTGATTGTGCTGATTAGGGCTGCGAGTTGGG
 GATGAGCACCAATGTCATGTTGCATTGCCACCTCCACGGCTGGCTCCGCACATGTC
 CAGCCCTGTCCAGCCTGGCTGGCTTAGCAAGGCTGTGAGGGAACCCGGGAGAGGGAGG

 46024 CGAACACTTGAGTAAGCTGAGCAAATGGCTGGGATAATTAGCCCTTGTCAAGCCATCTCT
 GAGGAGCATAGGGCAGTCGTAAAGCTATTCCAGATGTCGTGATTGTGCTGATTAGGG
 GCTGCGAGTTGGGATGAGCACCAATGTCAGCCCTGGCTGGCTTAGCAAGGCTGTGAGGGAA
 TCCCAGCACATGTCAGCCCTGTCAGCCTGGCTGGCTTAGCAAGGCTGTGAGGGAA
 CCCGGAGAGGGAGGGCTGCTGTCAGGGAAAAGGAAAAAGGGGGTACCATCAC
 [A, G]
 TGCACACTCAGCATGGCTGGCTCCTTGAGTCAGATCTCTAAAGCAAACATGACCT
 GCCAGTCCCAGTGTGAAACTAGAGCCTCACTTCTGAAAACCCGTGGAATGGTCCCTA
 ATTGGCAGCTGCTCCAATAGCCCCTTATAGTTCTGTCATCTGGGTGAACTTCAGCTA
 TCAAGAACTGATTGTTACCATTAATTGATTTGTAGCAGATGTTCTGGAT
 CTCTCAGTCCCTGCCTAATCTATCTGGTATAATGTGAAGTGGCTACTGTCTCAATG

 49591 CAAACCTCATTAAGCTATTGCCCAAGCATATAATGTGCTATCCACCAGCCTGGG
 TAATTATCTGTGAGTTAAATCATTTGTTCTGCTCTTTATCTCATTGCTGCTGGCA
 ATCTTCTTATTAGGAAACGAAGTACAGGATGCAACTGACCATTATGTTCTAATTCTAT
 TCTTTCATCAAATGAGTTCATCTTAAAGCTTTGAAAAAACAAACAAACCTGTC
 TTTCATTATTTAAGATTGTTGTTTTTTAACAAATCTTAAATCTCTGCTTCAGC
 [C, T]
 GGAGCAGAGCCAGGACTGAAATAATGTAAGGGAGACCTCTCTAAATCAGCAAG
 ACCTGCCAACACTCTCTCCTGATTGGCCTCACTCACTGCAATTGGCCATTCTCT
 CCTGTGGCTGTGGTGGAGGGCTTCAAGGTGTACAAGTTGGCTGGTGAATAAGCACAG
 TGTCTGGCAGATCAGGCAACCAGGGTGGAAATCCTGTCATTCTAACACACCCACT
 GGTCTCTACATGCTTATTGGTTATATTCTGGCCAAGGTTGCCATTGGTTCAA

 49822 AACCTGCTTTCATTATTTAAGATTGTTGTTTTAACAAATCTTAAATCTCTC
 TGCTTCAGCCGGAGCAGAGCCAGGACTGAAATAATGTAAGGGAGACCTCTCTCTA
 AATCAGCAAGACCTGCCAACACTCTCTCCTGATTGGCCTCACTCACTGCAATTGGC
 CCATTCTCTCTGTCGGCTGTGGTGGAGGGCTTCAAGGTGTACAAGTTGGCTGGTGA
 TAAGCCACAGTGTCTGGCAGATCAGGCAACCAGGGTGGAAATCCTGTCATTCTAAC
 [A, G]
 CACCCCACTGGCTCTACATGCTTATTGGTTATATTCTGGCCAAGGTTGCCATT
 GGGTCCAAGAAATGCGTCAGGGCCTGCATTAAAAGAAAAAAACAAAAACCTTT
 CACAAATGTTGAATGTTGCTTGAACCTCCAGGAAGTCAGGGAGCGTGTCCAGAA
 ATGAGCAGGTAGGATGGCACTGGCTCATGGAGACAGTGACCCACAGCCTGGGATA
 AGAGTGCAGCAATAGTGGGAGACCTGGCCGGGTCTGAGCGCAGTCAGTGCAGTTGG

 50057 GTGAATAAGCCACAGTGTCTGGCAGATCAGGCAACCAGGGTGGAAAATCTGTCATT
 CTAACACACCCACTGGCTCTACATGCTTATTGGTTATATTCTGGCCAAGGTT
 GCCATTGGGTCCAAGAAATGCGTCAGGGCCTGCATTAAAAGAAAAAAACAAAAA
 CCTTTCAAAAATGTTGAATGTTGCTTGAACCTCCAGGAAGTCAGGGAGCGTGTGTC
 CCAGAAATGAGCAGGTAGGATGGCACTGGCTCATGGAGACAGTGACCCACAGCCTTCC
 [G, A]
 GGATAAGAGTGCAGCCAATAGTGGGAGACCTGGCCGGGTCTGAGCGCAGTCAGTGC
 GTTGGATGGTCACAGAGCTGGTCTCCATGTAATGCAAGCCAGTGATTGGCCCTACCC
 TGTTCTCGGGCTCCAGCTCTCAGCTCATGGCCCTCAATGGCTCTCACCT
 CATCAGTGCCTCAAAAACAAATATCTGGACTCTAGTTGATAACTACTTGCATTGGA
 GAAATGACTCCTCTGGAAAGGTGAATCAGATTCTCAGAGTTGTTGAGGTTTATTGGTT

 50523 ATGGCTCTCACCTCATCAGTGCCTAAAAACAAATATCTGGACTCTAGTTGATAACT
 ACTACTTGCAATTGGAGAAATGACTCCTCTGGAAAGGTGAATACGATTCTCAGAGTTGTT
 GAGGTTTATTGGTCTTATAGAAGTTCCCTGGCTGATTGGAGTTGGTGTGCAGAG

ATGACCCGGCATAGTCCCTGCCCTATAGATGAGTCAGTTGAGAAGATGCCAAGCGTCC
 TGCAGACAGATGTCTACCTGGTGTACCTGCACCATGGCAGCCACCTCTCAGTTGGTCC
 [G, A]
 CAACATAGAGAGAGCATTGTTCACTGTAATTGATGTTGAATCTGGGAGAACAACTCTC
 TGAATGTTCTGGTGGAGGTGAAGTTCAAGGATCTTTCCAAAGCATGGCTGTCTCAGC
 AGAGGGTCCCCTTGACTTTAAGGGCACACTGTACCAGTGGTACGTTTGCAAA
 TAACAAACCCAACCCAACTAGCTAAACAAAAAGAGGACTTATGGCTTATGTAATTGGA
 TAGTCCAGTGAGGGTGAAGGTAGGGAGTGCTGGCTTCAGATATACTGATATGGAGTG

 51537 GCCTGAAAAGCAGGCTAAGAACATCAGCAAACATTCACCTAGCAGTTCAAGGGGGAGGTGCT
 CTCTCTGTCTTCAGAAGGAATCCAAGGCTAAAGAGATTAAGCAGTTGACCAAGGTACACA
 GAAGCTCTAACAGAGTGTGAGTTGAACCTCAAGTCCCTGATGACAATAAAGGGCACTT
 TTTTGTGTTCAAAATCACAGCTGCCCTCAGCAGTTGGGTTCTTCACCTGTTCTTG
 CCCGTCCCCTAGGGTAGCTGCAGGAGGTACCTGGGAGGTGCATCAAGCATTACCCAGC
 [C, T]
 GAAACTTGAGAGGGTTTACCCCCAAACATGACATCCTTCTTAGCACTTAGCCAAAG
 CACATAAGGATGAAAAGCAAATGAAACATCAAATGATGAAATCACCCAAATAAGAGAGAAA
 AGTGAATGAGCAAGCCCTCACCTGGCAGTGGCTCAGTCCTTCTGATGATGTTGT
 CAGAAGCTTTATTTTCACTTTCTAAGAGATCACCTCTTCTGGGAAGGGTTGG
 TGGAGGCTCGCTGGCTGGCTGCTAAATGGCATGGGAGACAGGAACACAGG

 52702 ATAATGTTGTGAATTCTGATTGAAATATTCTGATTCAAAATGTGGATTCTTGTCT
 ACAGTCAGCATGCCTGCAGAGTCAGAGGTCTGGACCTCCCCAACCTCCATCTGGG
 GAGCTGTCTTGTCTGCTACCAAAGGGAGTAGAGAACCCCAACTTCAGAAGAAATA
 GGCGCTGTAAAAAACCCACGGGCTGGCAATGCGTTGTGGGGGTAAGGATATTTCAG
 TCTATTGCTTTACTAATTAGCAGTTATTGCTCTCCCTTTGCTGGAAGCAACATT
 [C, -]
 CCATCCAGCTGCTTGGCTGCTTCATTGAATTTCATTGCTGAGCCCTGCATGT
 TTGGACACAAATGGAGTCCTGCTGGCTCAGAGGGACCTGATTGATAGGGTCAGATC
 TAATCTCCTGCTCAGAAACTTCAGCGAAAATAAAATGAGTTGAGGTTCTGTTGT
 GTGTGTTTATTTTAAAAACAGTAGGCCTGAAAGCTGTGCTGGCATATTACTTTT
 TCCCCTTATACAGAATTAAAATAACCTACATTCAAATAGTGTAAACGGTGTGCCT

 53996 GCAGCGCGTTGATTCTCGTACCGCATCGCAGATGCTAAACTCCCCATGCTCTCCA
 ATCCAAACCTCTCACTGGTCTTCTGCAGAATTCTAATGAAACAAGATAATTCTATTGTGAG
 TGTGTTGAATGAATGAATGAATGCTATTAAACTACAAGGTGACAGATAATTCCATGT
 GCCTCTTAGGAAATTGCATGCCTTCCAAGAAGACAAGGTGAAAGCAGCTTGTGTTG
 TTGAAATAAGCTCAGCACTGTCTGTTAGAAAAATAAAATTGTTCTTGTGCCCCA
 [T, C]
 GAGAATTCTGGAAGTGGAGCTGTCAGAGCTGACCCGTCTGTCACATTCAAATTTCAC
 TTTGGAGACTCCTGGAGAGGGAGCAGATGAAGCCATTCAAGAAATGTAATGTTGTTG
 ACATCTATTAGCTCAATGCTCATCATTGCTGACAGCAGGATCCATTAGGACGCGAGTGT
 CATGGATCAGAGACATTGAAATATAGCGAGAAACATGCTACCCGCAGCAGAGGCCATG
 TAGATGACTTGAGAGAGCACTAGATGTGCCACCACTGTGGTCCAGGCACCTCCCCCA

 56613 GACATTGAGTTCAATCCCTGTTGACTAAGGTATAGAACTTGTAAATTATGGACC
 AGTAGAGTCAGATGTCAGTAAGGAGATGGGGAGAGAGGAAAGTGGAGGGCAGGAGGGAA
 GGTGGGGAAATTAGAGTAAAGGCTGAAGCAACCCCTTACCTCTCAGCCCTTGTAAAT
 GTCTCTAATGATGCTGGTGTCTAGAAGTGGTCTTGTGTTAGGCAGTTAAATCTCCAT
 CATTCTATCTTATTTTGTATTTGCTTAACTCTATAAATATTCACTCTAGGCAGTA
 [A, C]
 ATTTACAAGCAAGGTTCAAGCTGTAATTAATATTGCTCTCTATGTAAGTTATGT
 CTTTAAATGAGGCAATTGCTTAAGCATTAAAGACATTCCACGTATATTGAGAGTAAT
 TACTTCCAAAGATATTCAACTGATATTGTTACATCTAAATATACTTACAGTAC
 TCAGTAGACCAGAATAGCTCTAATTATATTGGTCCACTGGGTTAGAAAAGAGACA
 TTTAAAAGTATGTTTAACTCAGTGTGTTATCCCAAAGATACTGTTGGCTCCTCCAGA

 58383 CCTGGGGTTGTGACTCTAATTCTAAGTGGCCTGAGTATGGGGACTAGGATGTCTT
 GGTGAATACTTACTGAAATGCATTGGTTAGAAAGCCTGGATTTAACTGGACCAATTAA
 TTTTCTTCTCAAAACTGAGTAATCACATTATCCACCATTCAGAAAGAGTAGATACT
 AATAACATGAAAATTAGAACTATTATGCACTTATTGTTCTGGCTATATGGAGGC
 TAGATAACTTAGCTGACTCTCCACCTAAACAAATTAAATAATGGATAAAACATTAA
 [G, A]

CAATCCTTAAATACCTCAGTGAGAAAGCAGGAACATAAGATTCTAAGAGGCCAAAAC
 TCAGAGAAAGTGGGTTCTAAAGCAGACTTTGTTGAGAGTATTGCCCCATGCAGGT
 GACCTGAACTCTGATTGTTACGACCTCAAGAGATATGGGACAGGAGTCAGCCTAGGG
 CAGATCAGTCTGTTAGAAAACCTCCTCACATAAAAGCTGAGACCCCAACAGACCCAGT
 AGGCTACCTCTAGTGTAGGATGAAATAAAACATGCCCTGCTCTCAAGG

 58512 CTCAAAACGTAGTAATCACATTATCCACCATTTCAGAAAGAGTAGATAACTAACATG
 AAAATTAGAAGTATTATGCAGCTATTGTTCTGGCTATATGGGAGGCTAGATAACT
 TAGCTGACTCTCCCACCTAAACATTTAAATAATGGATAAAACATTAAAGCAATCCTT
 TAAATACCTCAGTGAGAAAGCAGGAACATAAGATTCTAAGAGGCCAAAACAGAGAA
 AGTTGGGTTCTAAAGCAGACTTTGCTTGAGAGTATTGCCCCATGCAGGTGACCTG
 [A, G]
 CTCTGATTGTTACGACCTCAAGAGATATGGGACAGGAGTCAGCCTAGGGCAGATCAGT
 CTGTTAGAAAACCTCCTCACATAAAAGCTGAGACCCCAACAGACCCAGTAGGCTACCT
 CTCTAGTGTAGGATGAAATAAAACATGCCCTGCTCTCAAGGATGTGTGAA
 GAAAATTGCCCTGCCCTAAACCTTGATGCTGAGTGGGAGCCAATGTTCCCTGAGAAC
 AGGAACCAAGCTAAGCTTCAGTAGAATTCTATACAGACTAGTGTAGAAAGCCTC

 59951 GTCAATCTAGAATTAGACCTATTAACCATTGTTCCACAAACACTCTTACTCTTATTTCT
 GTTTTTCCCTTCTTTTCCCCCTCAAGCTCAATCTACCTTGAGTTCAATTACCTT
 TTCTCAGAGTTTTTATGTTAATTCTAGCCAGTGAATTCTTAAATTCAATATAAC
 TTTACAGTTCTAGATCCTTGATCTGTCTTATGGGTTCCAGTCTCCGTTGAGCTACT
 CTTTCTTTCTTGCCACACAGATGATAGTAATTGAGTCCTCTGCTGCTAATGCCA
 [G, A]
 TAGTGTAGTATCTAGGTCTACCTCAACTGATGATGTTATCTCATGATTACAGGTTAC
 CATTGGTGTGTTAGTTAGCTTGTAGGAGATTTTTGGTTCTCCCTCAG
 TTGTAATGTATAGGCCTTATTCTAGGATATGATTCTTACCCATAGGACAAGCCTTTT
 GTGTAGTCTGAATATCAACTAGTATGCTGCAATTCTACCTGCCACTAACCCCTGGAGT
 TAGCAGACACCCCTAAGGACTCAGCTCTATAAGACTGCTCTACTTCAAACGCT

 63246 TTAGTCCATTCTGTACTATAACTAAACCTGATAGTGGTAACGTATAAGAAAAG
 AGGTTGTTTGGCTCACAATTCTGGAGGTTGAGAAGTCCAAGATCAGGCAGCCACATCT
 GGGTGACTCTGGTGGGGCTTCATGCTGCATCATGACATAATATAGTAGGGAAGTGGGT
 GGGTGTAAAAGGGAAAACCTCAGGGAGAACGCTTGTTATAATAACACACTCTGTAA
 CTAATTCACTGCTGTGAGAGCAAGGACTCACTCACCTCGAGAATTACAGTCCTG
 [T, C]
 GAGAGTGGCATGAATCCCTTTAGTGACCTAATGCCCTTAAAGACTCTACCCCAACA
 CTGCCACACCAGGGACAGATCTCACGCTGGAATCTGGGGAGCACTCTAAACCATATA
 TGGGAGCTTTTGCTCAGAAGTCAGGCTAGCTCAAGACCTAACCCCTACTCACATG
 GTTGATATTCTGGTGGAGCCAGCCCTGCTCTGAGCCATCTCATCTTAATGTAACCTCA
 GGTGTGATATAAGGTGTGATATAAGGTGTGATAATAAAAGATACTCCTATTACTCC

 63904 CCACTGGGTCTCCACTGCCAAAAGCTCAGAGTATTACCAAGCTCTATACCTTGACT
 GGGCCAGAATTTCACCTACTCAGTGCTATACAAACCTGAAATCTCTGAGCTCTTAG
 CTCCCCAAATATTCCAGGCCCCCTGAAATCTTGCTGCTCTACAGCTTAGGATTAG
 TCCGGGACCAAAGAGAAACCCCTATTAGCTCAGGCTTTGGGCTCTTCTGTAAGTTGCTCT
 TATCCTGAGCTCAATTCCAGTCTCAGAAATCTCAGACTTTGACATCTTTCTGCCT
 [A, G]
 GTAAGACTGCTGCTCTACTTGAGCTCCATTCCCTGTGACAAGGTTGGCCGTGAAC
 CCATAAAAAACTACCCCTCAGGAAGAAAACGGGGTGAGTGTGGTCTATCTGTGTGTT
 TTCTTCTTCAAGAATAGCAGCACATGATGCTGCCTCAGGGCTAGAAAGAATTGTT
 TTACTGTTCTAGTCCAGCTGTACAGTATTGAAAGTCAACAAACAGCTATTGAA
 GCCAGAACCATAAAGTGCCTAGTATAGAACCTTACCATCAAATATCTT

 65698 GAGGTGGGAGGATCACTTGAGCCAAGGAGTTGAAGCTGCAGTGAGCTCTGATGGCACCA
 CTGCACTCCAGCCTGGGGAGAGAAGAAAAAAAGACAGGACAAAGTTGA
 TGAGTTAACATCTCCACCTCACAAATGTTAGGAAAAGAGTAGCAGAGTAAACCCAAATAA
 AGTTGAAGGAAGGAAGTAATAAGAACATAATAAAAGGAATGGATAAAATTGAAAAAA
 AAAAGTACAACAGAAAGGTTCAACAAAGCCAAAGGCTGATTTGAAAGAACCAATAA
 [T, A]
 CTAACAAAACATGTCAAGAGTAATAAGGAAAGAGGAGAGAGGGAGGGAGGGAAATAA
 ATACACATATCAGAAATGAAAAGAGATGTAATAATTAAAGCTGCGAGAAATCAAACAA
 ATAGAATCTTATTTCACCAATATTGAAAGCTCTGCTGGTCAAATTCTGAAAAAA

AAATTTGTCCAAACTCACTTCAGTAGAAATAAAAACCTAATCAGTCTAGCATCATTCA
 AGAAATATAATCAGATTCTAACGGAAATCTCCCACAAAGAATATGTCAGATCCAGAT

66118 TAATAGAACATTTACCAATATTTGAAAGCTCTGCTGGTCAAATTCCTGAAAAA
 AAAATTTGTCCAAACTCACTTCAGTAGAAATAAAAACCTAATCAGTCTAGCATCATTCA
 AAGAAATATAATCAGATTCTAACGGAAATCTCCCACAAAGAATATGTCAGATCCAGA
 TATTTTACCACTGGTACTAACAAATTTCACAAACAACAAATTTCATCTCATATGAAC
 TACTCCAGAACATCCAGAAAAAGTGGGTATATTGATGAGAATAACATAACTTGACACCAAA
 [A, G]
 CCTGGTAAGAACATGTTTTAAATGCCAGTTGTACATAAACAAAGTCCTAACGAAA
 AATTAGCAACTATATTAGCAGTCTATTAAATAAAAGATAAAACCATAACAATTGATT
 ATCTCAAACATATTGTTGCCACTAGAAGTCTTGTATTCAACAGAACAAAT
 TTTAAGTGGATAAGTCATATAATCATCTAACAGATAAGAAAAGTATTTAAAAATCT
 AATATCCATTCACTTATTAGTGTAAAGAAAAATTCTTACACTAGGAGAACCAAATAGAAG

66158 TGGTCAAATTCCTGAAAAAAATTGTCCAAACTCACTTCAGTAGAAATAAAAACCT
 AATCAGTCTTAGCATCATTCAAGAACATATAATCAGATTCTAACGGAAATCTCCCACA
 AAGAATATGTCAGATCCAGATATTTCACCACTGGTACTAACAAATTTCACAAACAAAC
 AATTTCATCTCATATGAACACTCCAGAACAAAGTGGTATATTGATGAGAAT
 AACATAAACATTGACACCAAACTGGTAAGAACATGTTTTAAATGCCAGTTGTACATA
 [A, G]
 ATACAAAAAGTCCTAACGAAAAATTAGCAAACATATATTAGCAGTCTATTAAATAAAAGATA
 AACCATACAATTGGATTATCTAAACATATTGTTGCCACTAGAAGTCTTGT
 GTATTTCACCAAGAACAAATTAAAGTGGATAAGTCATATAATCATCTAACAGATAAA
 GAAAAGTATTTAAAAATCTAATATCCATTCAATTAGTGTAAAGAAAAATTCTTACA
 CTAGGAGAACCAAATAGAAGGGAACTCTTAACTTCACACCAATTTTAACCGAG

66604 GTGGATAAGTCATATAATCATCTAACAGATAAGAAAAGTATTTAAAAATCTAATAT
 CCATTCAATTATTAGTGTAAAGAAAAATTCTTACACTAGGAGAACCAAATAGAAGGGAAAC
 TTCTTAACTTCACACCCATTAAACCACTGGTAAACAGTAGCAAATAATAATGTATTAGTA
 TATAATGCGAGCAAGGTTTCACTGTTAGGAAAGGGTTTACAGATATGAAAGTGGGA
 AGTCTAGAATGGTACATTGTTTCAGATGGAGTTGAAGTATCAGTTAAGTATTGCTT
 [G, A]
 AAGTTAAGAGTGTGTGTGTGTGTGTGTGTCTGTAACATTCTCTAGCTCTGTGCT
 GAGAAGGCACAGAACAGTGTACACTCCAGTAGCAATGTACACCCCTAGCAGCCAGGTTT
 CCACTGAAGGGAACTAACGCTTCTGAGAAGTGGGAAATGGAGCAGAAAAGTATACAA
 TGAATCTGGAAGGTTATTGGTGTCAAGAAAATAAGCAGCGCTAAAACATCATGGGA
 CTTGTCAAAACGATAATAGTCAACTAAAGGACTCATGCTGCCACATCTGGACAATT

67766 GATTGGGGACAAAAATATGAGATGACACCATGACAAAACCTCAAAACACCTGACTTGGT
 TTTGGTGGCAGGAGGCATTGAGACTGCTGGTCAAAGCTTGCAGGGCTGTGAGAGCGGGC
 TGGCAGAGTCTGAGGAGGCTCTAGTGGCACTAAAGTCAGGGAGGAAAATGTTCCA
 AGAAGTGGATGGAAGAACCTGGATGGGGTAGTGGGGTTAATAATATTGTCACC
 TCTGGTAATGCAAGATAGGAAATATGCTAAATAAACTTGATGATTCCACTAAAGAGG
 [C, T]
 TATCAGACAGAACCTAGAAAAGTACCAACAGATTAGTTTTTGTGTTTTTTCTTCT
 TTTTTTTTTTTTGCCTATGTTAAACATGAGAGGGAGAGGTGAGCTGGAGGACA
 AACTGTTAAATATAAGGAGCCAAGACTCACCAGGCTTGAAGTCAAACCTGTTCCATT
 CCAGCCTCTCAAAGGTGGTAAAGATTGTCAATTAGAAAAGATTCAAGGTCAAAAAGA
 AAATCCATGAGGGTACCTATAAGGTTCTTGTAAAAACCTCAGAAAATATTCAAGGTAT

67863 TTGCAGGGGCTGTGAGAGCGGGCTGGCAGAGTCTGAGGAGGCTCTCAGTGGGACTTAA
 AGTCAGGGAGGAAATGTTCCAAGAAGTGGATGGAAGAACCTGGATGTTGGTAGTG
 GGTGGTTAATAATATTGTCACCTCTGGTAATGCAAGTAAGATAGGAAATATGCTAAATAA
 ACTTGATGATTCCACTAAAGAGGCTATCAGACAGAACCTAGAAAAGTACCAACCAAGATTG
 TTTTTGTTGTTTTCTTCTTTTTTTTTGCCTATGTTAAAACATGA
 [A, G]
 AGGGAGAGGTGAGCTGGAGGACAACAGTTAAATATAAGGAGCCAAGACTCACCAGGCT
 TGAAAGTCAAACCTGTCATTCAGCCTCTCAAAGGTGGTGAAGGTTGCAAAATTAA
 GAAAAGATTTCAGGTCAAAAGAAAATCCATGAGGGTAGCTATAAGGTTCTTGTAAA
 AACCTCAGAAAATTCAAGGTATCATAGACTCTTCCATCCAGGAAAAAAAGGAGGACTTT
 TACAGATCTAAGGTGTGCCCTGCTGAACACAGGGCTCTAGCATCTTAAGGAGCAT

69511 TTGATCCTGGATTTGTGCTGCACTAATAGATTGGGGATATTAGAGAGAGGATTA
 TTGCATATGGGAGGGATGTGAATTGTGGCCAGAGGGTGGATCATAGCAGATTGATTTCC
 AAAGATGGCAGCAGCAATATCTCTCATCACGCATATCCTATAACATGAATTGACCTTT
 CTTCCATGTAGAGATGGGATCTATTCCCCTTGAATCTGGGCAGGGTAACTGTGGC
 AGATGTGATTCTATATGACTCTAAAGCTTGTACACAAATGACAATCATCACCTGC
 [C, T]
 GGCTAGATTGCTACGGTGGATCCCCAAACCACCATATAAACAGTGCCCTGAGGTTACCA
 TCTTGTGAAGGAGCCAACTGAGCCAACATGTAGAGACCACGTGGAGATGCTCTGAGGCC
 ACACGAAGAGAAAGAGAGACGCTAACAGCCCCAGCTGGTAGCCCCCGCTCTCCCA
 GCTCTGGCTGTTGTCTGACTCTAACCATGAGGGACCCAGAGCCAGAATCACTTAGCTG
 AGTCCATCCCAAATTCCAACCCACAGAAATCATGAAAGATAATAAAGTGTGTGT

 69538 CTAATAGATTGGGGATATTAGAGAGAGGATTATTGCATATGGGAGGGATGTGAATTGTG
 GCCAGAGGGTGGATCATAGCAGATGATTTCCAAGATGGCAGCAGCAATATCTCTCAT
 CACGCATATCCTTATAACATGAATTGTACCTTCTTCATGTAGAGATGGGATCTATTTC
 CCCCTTGTGAATCTGGGCAGGGTGTAACTGTGGCAGATGTGATTCTATATGACTCTAAAG
 CTTGTACACAAATGACAATCATCACCTGCTGGCTAGATTGCTCACGGTGGATCCCC
 [A, G]
 AACACCATATAAACAGTGCCCTGAGGTTACCATCTTGTGAAGGAGCCAAAGTGAGCCAA
 CATGTAGAGACCACGTGGAGATGCTCTGAGGCCACACGAAGAGAAAGAGAGACGCTAAC
 AAGCCCCAGCTGGCTAGCCCCCGCTCTCCAGCTCTGGCTGTTGTCTGACTCTAACCA
 CATGAGGGACCCAGAGCCAGAACATCACTTAGCTGAGTCCATCCAAATTCCAACCCACAG
 AAATCATGAAAGATAATAAATAAGTGTGTCAAACCTCCAGGCTTTGAATGGTTAC

 69782 GTCATACAAATGACAATCATCACCTGCTGGCTAGATTGCTCACGGTGGATCCCCAAAC
 CACCATATAAACAGTGCCCTGAGGTTACCATCTTGTGAAGGAGCCAAAGTGAGCCAAACAT
 GTAGAGACCACGTGGAGATGCTCTGAGGCCACACGAAGAGAAAGAGAGACGCTAACAG
 CCCCCAGCTGGCTAGCCCCCGCTCTCCAGCTCTGGCTGTTGTCTGACTCTAACACAT
 GAGGGACCCAGAGCCAGAACATCACTTAGCTGAGTCCATCCAAATTCCAACCCACAGAAA
 [C, T]
 CATGAAAGATAATAAATAAGTGTGTCAAACCTCCAGGTTTTGAATGGTTACACAA
 CAAAACATAACTGGAAAATAATTATAACACACTGAATAAAATAGGAGTGCATGAGTCCCT
 ACATACATAAAATGAATAAAATAAGTAGATGGACATAAAAGGAAAGCTTCTGGTAGAATG
 CCAGATAAGAAATATAGAAGGAAAGATGGAGTTAAAAAAAAAAAGTCTCAGCAGATACGG
 AAAACCAACAGTCAAAGTTGATGAGGAACAGAAATTACATATTCTGCAAGTGTCT

 70895 TGGGGCTTAGCTTCTCAAATGGTCCCCAAAATACATGTATGTACTGTGTTAT
 ATATGTATAAAATATACATGTATGCCTATATATTATATATATGTGTGTACATATAG
 ATACACACACACTATATGTGTGTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGT
 TATATGTGAGAGAGAAATGATAAGCAATGGGCAAATGCTAAATCTGAGATAAAGTAT
 AGGAGATCCTTATACTATTCTGCTATTTCTGTGAGTTGAAATGATATCAAATAAAA
 [T, A, C]
 ATGACCGAGGATGAGAGCACCTGCTATCTCACTCTATTAAATTGCACTGGAGGTCTA
 GCTAGTGCAGTAAGGCAAGAGAAAGAAATAACAATATGAAAATTGAAAGAGAGAAACA
 AAACGTGATTATTCAAATGATATGGTGTAGAAAGCCAAATGCTCTGTGAATAC
 ATTACTAGGATAACTAATATCTTTAATAAGGTTGAAATACAAATCAACATGCAAAA
 TGTAATTGCTTATCTGTATAACAGTAACAAAGAGAAATGTAATTAAATTGATAC

 71575 TTGTTGAAGGGGCTAAATTAAATAAGAAGGTCACTATTGTAAGGGAGTTATTCTCC
 CAAAATGAAACAGTGTATTAACCTGTTATAGAAAGTATATGAAATGAGTGTGTAAATTG
 ACAAGCAGGTTCTATAATTATGTGGAAACCAAGGACCGAGAAATAATGATGGCCACCC
 AAAGAAATAGCACAAGACACTGCTGGTGAGAGCAGAAGCTGTGCAACTCTTGGAAA
 CAGTTGGCTTATTAAATAACAGCTGAAATGCCGTACTCTAGGAACCCAGACACCCACT
 [C, T]
 CCAGGAGCAACCTCTCATAGAATCTTCCATATTGCACTGGGAGACATGAACAAGAAA
 GTTCTAGCACCTCTGTCATAATTAAACAAATTAAAGATCTAGCAACAGAG
 GAATGTATAAAATTCTAAATTGTGATATAGTCTACAGTGATAAAGAAATATAGCAATTATCC
 TATAATAATATAGAATATAAAGAGATAGATCTGAAACTATACCCAGACTGAAAATG
 AATGAATTACAGTTACATGTAATAAAATTGATGAGTCTCAGGCACATAATATTGG

 72112 AATGAATGAATTACAGTTACATGTAATAAAATTGATGAGTCTCAGGCACATAATATTGG
 CAAAAGAAGCAATGACAAAAACAAGTAAAATTATTACATATAACTTATACATGGATAAT
 CACTGTATTGTTATTATGCCACATACACTTATAACTACTTGCTTCTATTCTAA

GTTAATTTAAATAATTAAAGAAAATTAAATTTATTATGGCATTGATTATAATAA
 TAAAGTACCTTAAATGTCCCCAAAAGTAATTGACTGAAATAATGACAATACAATCATG
 [C, T]
 CATAGCATACTAAACAAATATTAAAACAATGTTACACCTTACAAATATTTGTGAAA
 TAGAAAGTGTTCACAATATGCTGTTAGGGAGGAGGAAGCAAGTCTAAAAATAGAAT
 GTACTGTAGGTTCCAGTTCTAACATCTGAATAAAATAAAATGAGATAATATGGAAGA
 ATATAGACTAAAATGAGGTTATTCAGTCACTGAGTGGAAATAATTTCTTCCT
 TCGTTGTTATCTGATTCTAATATTTCCCACAATAAACAGATACTACTTTATAATGGGGTAAAATCT
 72665 GTATTTCTAATATTTCCCACAATAAACAGATACTACTTTATAATGGGGTAAAATCT
 GATGCTAACAGAGACCAGTGCATGCCCTCCGTATGTGCTCAGTTCATTCAATTCAATT
 ACTTGCTTATTCAACCATTCCGTGTATTGCAGAGGATCTACTGTGTGAGAGGCCCT
 CTGCTTGGTGTAGCGAAAGAAGATGAACAAGGCATTGCTCTACTCTGGAGCAGTCA
 GTCTCTCAGTCTGTGTAATAAACCTAGTGCCATATGCACTATTATGACACAAAAC
 [A, G]
 ACGACACTCATTAGTAGTGTGAGAATGTTACTCCTCTTCACTTCAGTCCACCAAAGA
 AAATCCCTAAATTCTAACCCAAATTCTATCCCCCTGTCTTAATCTACTTGGACTGCTA
 TAACAAAATGTCATAGACTGGGTGGCTTAAGCAACAGACACATTGTTCTGCGGAGAAC
 GCTCGGTGGGGAGACCTAACCTAGCAGCGCTAGAAGAATTAAAGACACACACAGAA
 ATATAGAGGTTGAAGTGGGAAATCAGGGTCTCACGCCCTCAGAGCTGAGAGGCCCTGA
 72798 CCATTCCGTGTATTGTCAGAGGATCTACTGTGTGAGAGGCCCTGCTTGGTGATA
 GCGAAAGAAAGATGAACAAGGCATGTCCCTACTCTGGAGCAGTTCAGTCTCAGTC
 TGTGAAATAATAACCTAGTGCATATGCACTATTATGACACAAAACAGACACTCATT
 AGTATGAGAATGTTACTCCTCTTCACTTCAGTCCACCAAAGAAAATCCATAAT
 TTCTAACCCAAATTCTATCCCCCTGTCTTAATCTACTTGGACTGCTATAACAAAATGTC
 [A, T]
 TAGACTGGGTGGCTTAAGCAACAGACATTGTTCTCTGCCAGAACAGCTCGGTGGGG
 GACCCCTAACCTAGCAGCGCTAGAAGAATTAAAGACACACACAGAAATAGAGGTGTG
 AAGTGGGAAATCAGGGTCTCACGCCCTCAGAGCTGAGAGGCCCTGAACAGAGATTAC
 CACGTATTATTAAACAGCAAACCGAGTCATTAGCATGGTTCTATAGATGTTAAATTACT
 AAAAGTACCCCTAAGGAAACGAAGGGACGGCAGAATTATGCAGCAGGAACATGCC
 73738 ACATGGTAGAGAGAGAGGGAGAGTCTCTGTGCCCTCTTCTTATGAGGCCAACCATCCTGT
 CAGATAACCCCCCTCTTACGACCACAGTTAACCTTAATTACCTTCTGAAAGTCTTAAT
 GCCAAATATAGTCACATTGGGATTAGAATTCAACATAGAATTTCAGGTTAGCAGGTTGGCTCACATA
 TTCAGTTCATAGCACCCCTTTTCTTCTTCTTCTTCAATTAGAGGCAGGTTGGCTCACATA
 TTAAAAGGATGAAAAGGAGGTTGCATGGAAAAAGGAAGGGAGTTGCAGAGAACGCTGGGA
 [A, G]
 TGAAGAGATTAAGACAATTGGGAGAGATGCTGGGACAGCTGGGATGTGATGCTGG
 GACAGCTGGCGTGTGAGGGAACCTGGGGAGAAAAGAAGGGATGTTATCAAATGCTCCA
 TGAATTAGGTATTGTTCTAGTAACCATTGGAAAAGCAAGGAAGAATTGTT
 TGTTAAAATTATTTGACCTGGGGCTATGTTCTTCAACCACATTATCTGAGGC
 TGGACCTTATGAGTTCTGAATTAAATGGTCCACAATAATAGTCATCATGGGCACATGG
 81059 ATAGCTGTCTGGGCCAGGCACCCCTGCTGGTTATCACTCCATAGCTCAGTCAGTGTGTGAT
 GTGTCTTTCACCTTCACCTTCATGTTCCAATAAGGAAAAGTGCATGGAGAGAAGG
 GGAGAATATTCTATAATGTGAATGACTCTGCTACTCTGAGTCCCTCAGCTGTTAGT
 TTATAATTCTATAGGATCAGTCAGGCCCTGCATTCCAGGGATGATGCTGGCTTTA
 ACAGCATTATGCTGGAAATGCTTAAACATCGGTAGTTATGCAGTGAATGCACTTAT
 [G, -]
 GGTGTGTGTGTGTGTGTGTGTGTGTGTACACGTGCACATCTCAGAGCAAAAGAGAT
 CACAACTGAGGGCTGAGAGAACAGACACTGGCTAGCCCTGCCTGATTGGGGTGAACC
 CTGGCTTCTCATGAGGAGTCAGAAGCAGTTCTAGTGAAGTAGCATGCTCTTGAGGCA
 TAAAGCTTCAACCAGTCTTGGAACCTTGACTAATTGGTATTCTGTTCCATGAGC
 CAAGCATTATACTAAAATACCCCTCAATTGAGAGAAGTGGAAAGGTGTCACAC
 81061 AGCTGTCTGGGCCAGGCACCCCTGCTGGTTATCACTCCATAGCTCAGTCAGTGTGTGATGT
 GTCTTTCACCTTCACCTTCATGTTCCAATAAGGAAAAGTGCATGGAGAGAAGGG
 AGAATATTCTATAATGTGAATGACTCTGCTACTCTGAGTCCCTCAGCTGTTAGT
 ATAATTCTATAGGATCAGTCAGGCCCTGCATTCCAGGGATGATGCTGGCTGTTAAC
 AGCATTATGCTGGAAATGCTTAAACATCGGTAGTTATGCAGTGAATGCACTTATGG
 [T, -, G]

TGTGTGTGTGTGTGTGTGTGTGTACACGTGCACATCTCAGAGCAAAAGAGATCA
 CAACTGAGAGGCTGAGAGAACAGACACTGGCTAGCCCTGCCGATTGGGGTGAACCC
 GGTCTTCATGAGGAGTCAGAAGCAGTTCTAGTAAAGTAGCATGTCTTGAGGCATA
 AAGCTTCACCAGTCTCTGGAACCTGACTAATTGGATTCTCTGGTCCATGAGCCA
 AGCATTATACTAAAATACCCCTCAATTGAGAGAAGTGGAAAGGTGTTCAAACACAGA

 81328 CATCGGTCAAGTTATGCAGTGAATGCACTTATGGGTGTGTGTGTGTGTGTGT
 TGTAACACGTGCACATCTCAGAGCAAAAGAGATCACAACTGAGAGGCTGAGAGAACAGACA
 CTGGCTAGCCCTGCCGATTGGGGTGAACCCCTGGCTTCATGAGGAGTCAGAAGCAGT
 TTCTAGTAAAGTAGCATGTCTTGAGGCATAAAAGCTTCAACCAGTCTTGAAACCT
 TGACTAATTGGATTCTCTGGTCCATGAGCCAAGCATTATACTAAAATACCCCTCA
 [A, C]
 TTGGAGAGAAGTGGAAAGGTGTTCAAACACAGAATCAAATAAAGGATAATTTCATCT
 TCTGCTGAAACCTCTCATTTCCAGCAATGTAGAAACAAACAAGAGACGAGAGGACATG
 TGGGGACTGAGAATGAGTGCATTAGCAGTCTTGAGGATAACCCACACAGACCTGATGAG
 CTTCTCAGGACAGAGGGCTGCACTCAGGATTATCCTCATCCACAGTGTGGCTGTG
 TGGACTTACACAACGGCAGCTGCCAGTGCCAGTTGCCAGTTGCCAGTTGCCAGTTGGGTAGGAAAAGGAG

 81617 TATAACCCCTCAATTGAGAGAAGTGGAAAGGTGTTAAACACAGAATCAAATAAAGGAT
 AAATTTCATCTCTGCTGAAACCTCTCATTTCCAGCAATGTAGAAACAAACAAGAGA
 CGAGAGGACATGTGGGACTGAGAATGAGTGCATTAGCAGTCTTGAGGATAACCCACAC
 AGACCTGATGAGCTCTCAGGACAGAGGGCTGCACTCAGGATTATCCTCATCCACAGTG
 ATTGTGGCTGTGTGGACTTACACAACGGCAGCTGCCAGTTGCCAGTTGCCAGTTGGGT
 [A, G]
 GGAAAAGGAGGACTTGGAAACTGCCCTCCGGAGAGCCTTGGAGGTGAAGGAAGTTGGC
 TGGCAACTCTGTCCACTCAAGCTAAAACCTCAGCCGTTCAACCAGCTCTGTTGCCA
 AGTCTGAATTGTCCAGGTTGGCCGACAAGTTGCTCCTCTCTGCTTCGCAATTCC
 CATCTCCTCTGCTACTCCCAGTGGTCAAAGTCTCATCCCCAGCTCCCTGCAAAGGCC
 TCCCCATGAGCCTCCCTGACCCCTGTCATAGGCCACTTCACAACCGTCCGCAAATG

 81788 TACCCACACAGACCTGATGAGCTTCAGGACAGAGGGCTGCACTCAGGATTATCCTCA
 TCCACAGTGAATTGGCTGTGTGGACTTACACAACGGCAGCTGCCAGTTGCCGCT
 CTGTTGGTAGGAAAAGGAGGACTTGGAAACTGCCCTCCGGAGAGCCTTGGAGGTGAA
 GGAAGTTGGCTGGCAACTCTGTCCTCAAGCTAAAACCTCAGCCGTTCAACCAGCTCC
 TGTGGTCAAAGTCTGAATTGTCCAGGTTGGCCGACAAGTTGCTCCTCTGTTTC
 [G, C]
 CATTCACTCCATCTCCTCTGCTACTCCCAGTGGTCAAAGTCTCATCCCCAGCTCC
 GCAAAAGGCCCTCCCCATGAGCCTCCCTGACCCCTGTCATAGGCCACTTCACAACCTCGT
 CCGCAAATGTTATCTCTCACCAGTGGCAGCTCAGTTGGGTTGGAGGTGTGATAA
 GCTAATCCACGTGGAGATCTAAATGGCCTCCAGGGGCTATTAGGAACCCCTCACTTTT
 CTGCCCAAATTCAAGACCATCCGTGGGGATCCTACCTCTCCAATAGGAGTCG

 81882 CTGGCAGCTGCTGCCAGTTGCCCTCTGGTAGGAAAAAGGAGGACTTGGAAACTG
 CCTCCGGAGAGCCTTGGAGGTGAAGGAAGTGGCTGGCAACTCTGCACTCAAGCTC
 AAAACTTCAGCCGTTCAACAGCTCTGTTGCAAGTCTGAATTGCACTGGCCAG
 ACAAGTTCTGCTCTCTGTCATTCACTCCATCTCTGCTACTCCATGT
 GGTCAAAGTCTCATCCCCAGCTCCCTGCAAAGGCCCTCCCTGAGCCTCCCTGACCC
 [C, T]
 CTGCATAGGCCACTTCACAACCTCGCCGAAATGTTATCTCTCACCACTGGCAGCTC
 AGTTGGGGTGGAGTGTGTGATAAGCTAATCCACGTGGAGATCTAAATGGCCTCCAGG
 GGTCAATTAGGAACCCCTCACTTTCTGCCAAATTCAAGACCATCCGTGGGGATCC
 TTACCCCTACCTCTCCAATAGGAGTCGCACCCCTAACCCAGCAAGTCCCCCTGTTCTGGCT
 GTACATTGGCTTCCCTATTGTGAATGGATTCTCTCTCCAAGACCCAGCTGA

 82932 TGTCTTGACAGACATATTGAAGGCATAAAGAGCTAGGAGAATATTGACAGTTCCACT
 GGCTGATGGAGTAAACCAAGGGCTTCAGGAGTCAGTCTAGAAGTCCAGATTCTGGTCCGAG
 TCCTGCACTGGTCAGCTGGACCTCGGGCTGCTCACCCAAAGACTCAATTCTTCA
 TTTGCATGACAAGGGCTGTGCAAGGTTCTGTGAACTCTGGAAATTCTGATGCTTAC
 TCATTCCCTGAAGAGGTTAATTAGGACGAAGTGTCTTAACTGGCAATTACACTGCTGC
 [G, A]
 ATATAGCTTGTGAGGAGGCGGATCATTGCCAAGGCCAGGACGGTTCTGATGATCA
 TTTGCCAGTCTCAGGAGAACAGAGACCGTGAGGAGACTGCTTAAGATGAATAAGAAACTC
 CCCCCACTCACCATCAAATGAGAAAGCTATGGATCCAGAGCTGGGAACACCAACTGGGCA

GGATGGTTCAATGCCCTAATTAGCTGCTTAATTCCCTAACAGCAGCTTCTCA
 GTGGAAACAAAGAAGCTGCCTTGAGTGGAACTCTGTATCCTGTGAGGTAGAAGT

84585 AATCCAATTCTCCCAGGCCTCAAGGGCTGTGTGATCTCACCTCTGCCTGCCTGTCT
 CCGTTCAAGCCCGTCCATCTCTCCAGCTCCCATGCTCCAGACACGCTGACCTGTC
 CTCCTCTGCCCTCAAGCAGGACACACTGCTCCACCCCTGGCCTGTGCACATGCTGT
 GCTGTCCCCCTCTCCCTGAGCGGCTCCCTCGGATCTTTGTACTGCTGCTGTCTCATCT
 GGTGTCTCCCAGATGTAACCTCCAGAGAGACCACACTGACGTTCTGTACAAGGAC
 [A, G]
 CCCGTCTTCCCTGCCACCTGTGACTTGTAGCTTACAGCAATTGTTATTATG
 GGAAATTGCTTATTATGTTAATGTCGTACAGTGGACTAGGATGTCGGCTCAAGA
 CAAAAATGCTCTCAAGACTGGTATTAAATGTTCAAATTACAATTGTAATAA
 ATGGGTAACATAATAAATAAAATTGTATATTAGGTCCCTGGACTGCTGTTGAATGAAT
 GAATGGCAACAATGATAGGAGTAGTTGCTGTTATTGAGTACCTGTTATGTCAGGCTC

85092 GTATATTAGGTCCCTGGACTGCTGTTGAATGAATGGCAACAATGATAGGAGTAGTT
 GCTGTTATTGAGTACCTGTTATGTCAGGCTCCACATTAAATCATCACACCAACCCA
 AGTGACCGAGTGTCAACCTCACCTTACATATAAAACATATTAAAAAAACCAAGATT
 CACAAATGTTACATGATTTCACTTTGTAATAGGCGTAACAGCCTGGATTCAAGCCCAG
 GTCTGACTGGTCAGAAACCCATGCCCTTCTAAAGAAGAAGTAGGTAACCTGCTATG
 [T, -]
 CATCCACTATCTGGTGGTTTCCCTGCTGGCTGGTTTCCCTTCTCCACTCTGCAC
 CCACGCAGCTCCAGGCATGGATGCCAGTCCATTCAAGATTCTCCTATGTCCTGTGT
 TAGTCACTGGGCTGCCATGACAAGTATTGCAAGACTGGGTGGCTCAACACCGGAAGT
 TTATTTCTCACGGTCTGGAGGCTGGAAGTCTGAGCCAAGGTACTGGGAGGATTGGTGA
 GCCCTCTCCTGGCTTGCACACAGTACCTTCTGCTGTCCTCACATGCCCTTCC

85096 ATTAGGTCCCTGGACTGCTGTTGAATGAATGAATGGCAACAATGATAGGAGTAGTTGCTG
 TTTATTGAGTACCTGTTATGTCAGGCTCCACATTAAATCATCACACCAACCCAAGTG
 ACCAGTGTGTCAACCTCACTTACATATAAAACATATTAAAAAAACCAAGATTCA
 AATGTTACATGATTTCACTTTGTAATAGGCGTAACAGCCTGGATTCAAGCCCAGGTCT
 GACTGGTCAGAAACCCATGCCCTTCTAAAGAAGAAGTAGGTAACCTGCTATGTCAT
 [C, -]
 CACTATCTGGTGGTTTCCCTGCTGGCTGGTTTCCCTTCTCCACTCTGCACCCAC
 GCAGCTCCAGGCATGGATGCCAGTCCATTCAAGATTCTCCTATGTCCTGTGT
 CTACTGGGCTGCCATGACAAGTATTGCAAGACTGGGTGGCTCAACACCGGAAGTTAT
 TTTCTCACGGTCTGGAGGCTGGAAGTCTGAGCCAAGGTACTGGGAGGATTGGTGA
 CCTCTCCTGGCTTGCACACAGTACCTTCTGCTGTCCTCACATGCCCTTCTG

85100 GGTCCCTGGACTGCTGTTGAATGAATGGCAACAATGATAGGAGTAGTTGCTGTTA
 TTGAGTACCTGTTATGTCAGGCTCCACATTAAATCATCACACCAACCCAAGTGACCA
 GTGCTGTCAACCTCACTTACATATAAAACATATTAAAAAAACCAAGATTCAAAATG
 TTACATGATTTCACTTTGTAATAGGCGTAACAGCCTGGATTCAAGCCCAGGTCTGACT
 GGTCAGAAACCCATGCCCTTCTAAAGAAGAAGTAGGTAACCTGCTATGTCATCCAC
 [T, -]
 ATCTGGTGGTTTCCCTGCTGGCTGGTTTCCCTTCTCCACTCTGCACCCACGCAG
 CTCCAGGCATGGATGCCAGTCCATTCAAGATTCTCCTATGTCCTGTGT
 TTGGGCTGCCATGACAAGTATTGCAAGACTGGGTGGCTCAACACCGGAAGTTATTT
 TCACGGTCTGGAGGCTGGAAGTCTGAGCCAAGGTACTGGGAGGATTGGTGA
 CCTCTCCTGGCTTGCACACAGTACCTTCTGCTGTCCTCACATGCCCTTCTGACG

85318 GGATTCAAGCCCAGGTCTGACTGGTCAGAAACCCATGCCCTTCTAAAGAAGAAGTA
 GGTAACCTGCTATGTCATCCACTATCTGGTGGTTTCCCTGCTGGCTGGTTTCCCTTC
 TCTCCCACTCTGCACCCACGCAGCTCCAGGCATGGATGCCAGTCCATTCAAGATTCTCCT
 ATGTCCTGTCTGTGTTAGTCTACTTGGCTGCCATGACAAGTATTGCAAGACTGGGTGG
 TTCAACACCGGAAGTTATTTCTCACGGTCTGGAGGCTGGAAGTCTGAGCCAAGGTAC
 [C, T]
 GGGAGGATTGGTGAGGCCCTCTCTGGCTTGACACAGTACCTTCTGCTGTCCT
 CACATGCCCTTCCCTGACGCATGCCGGAGAGAGACGCCGCTGGCGTCTTCTTATAA
 GGACACCAGCTCATGAGTACCTGAGGCCCTGCCCTGACCTCATTTACGTTAA
 TCCTTGAGAATTCTAACCTCAAATATAGTAACACTGGGTTAGGATTAA
 GGGTAGGGGGACTCGGGGGTGGCAGGGCACAATTCAAGCTTACACATTCTGTGGA

85467 GCATGGATGCCAGTCATTCAAGATTCTCCTATGTCCTGCTGTAGTCTACTGGGC
 TGCCATGACAAAGTATTGAGACTGGGTGGCTCAACACCGGAAGTTATTTCTCACGG
 TCCTGGAGGCTGGAAGTCTGAGCCAAGGTACTGGGAGGATTGGTGAGGCCTCTCCTGG
 GCTTGCACACAGCTACCTCTTGTGTCCTCACATGGCCTTCCTGCACGCATGCC
 GGGAGAGAGACGGCTGGCTCTTATAAGGACACCAGTCCTACAGATTGAGCCC
 [C, T]
 GCCCTCCTGACCTCATTTACGTTAATTACCTCCTGAGAATTCTAACTCCAAATATAGT
 AACACTGGGTAGGATTTAACATGAATGTGGGTAGGGGGACTGGGGTGGCAGGG
 GCACAATTCACTGCTTACACATTCTGTGAAACACTTTCCATGCCATGCCAAATTAC
 CAACTGATTAAAATACAAAAGTAATATTAAACAGTTCCAACTCAGTGCTTAGGGCTAGAA
 AACATTGAAATATGTGATCCCTGCCCGAGGCACCTAGCGTTCAAATCTGGACTCAT

 85488 GATTTCTCTATGTCCTGTTAGTCTACTGGCTGCCATGACAAAGTATTGAG
 ACTGGGTGGCTTCAACACCGGAAGTTATTTCTCACGGTCTGGAGGCTGGAAGTCTGA
 GCCAAGGTACTGGGAGGATTGGTGGAGGCCTCTCCTGGCTTGACACAGCTACCTCT
 TGCTGTGCTTCACATGCCCTTCCCTGCACGCATGCCGGAGAGAGACGGCTGGCTC
 TCTTCTTATAAGGACACCAGTCCTATCAGATTGAGCCCTGCCCTGACCTCATTTA
 [C, T]
 GTTAATTACCTCCTGAGAATTCTAACTCCAAATATAGTAACACTGGGTAGGATTTA
 ACATGAATGTGGGTAGGGGGACTCGGGGGTGGCAGGGCACAATTCACTGCTTACAC
 ATTCTGTGAAACACTTTCCATGCCCTAAATTACCAACTGATTAAAATACAAAAG
 TAATATTAAACAGTTCCAACTCAGTGCTTAGGGCTAGAAAACATTGAAATATGTGATCCC
 TGCCCCCGAGGCACCTAGCGTTCAAATCTGGACTCATGAGTTGCTTATTAAT

 87268 GAGTTGCTATTTGGAATCATTCAATTGATGATTCCCTCAAAGATTCTGAGAGCCAACTA
 GATGCCAGGCACTCTCCCCGGTGTGAAGATAGGGTGGCAGGGCAGTACAAAGCTCTGCC
 TTGGTGAGCTTGCAAGTCTCATGAATTAGGATTCCAACCTGCAACTGACAAAAATGCAA
 CCCAAAGTCTTAAGCCAGGAGAAAAGGATCTGTAACCTGGGAAGACTAGTGTAACTGG
 TTCCATATTATTGCTGGATTGGATTCAGGGCTCAGCAGGGAAAGCAAGTGACAGCCTGCC
 [A, G]
 ACTGCTCAGCTGAATCTCTGAGGTTCCCTCTTGCTGGACCAGCTGGGCTGGACCAC
 CCTCTGAACACCAGTTATAGAGAAGGAAAGACTGCTGTACCTAAGGTTAAGTGGAGACA
 TGTTTCCCCCTGCTGGGGATGGGGCTAGCTTACCCCTAAGAGTGGGCTGGGAT
 CATTGCTAAAGCAAGCTCAGGACATGCTGCCCTAGGAAGGAACAGTGAATGCTTGAT
 GAAAAAAATTTCTTAAGGTAGTTACTTTAAAGTTAAACAAACTCAGAAAG

 89813 TTTCTCCCTCAGGCTCTACTTTATTGAAAGTGGTCTAATAATAGTCTTCTT
 CTTCACTGGATTGATGAAAGACTCAAGTACTAAACCACATACAAAGATTGTTAATT
 AATGCATTCCATGGGGGTCAAGGAATAAAATACCTTGTAAATTGTTAAGAACGAT
 TTAAATTCTCCCCAATTACAAATGGATAATTGCTTACAGCTTAACTGGAAATA
 TAGCAAAGCACATAAAATATTAAATTATCCAGACATTTAAACCTTACATT
 [G, C]
 GCATGTATCTCCAACCAAGCTTTCTATGCACGGGTTAAGAAAAACAGCATTCA
 ATCTCTGTTCTTATATCCTGTCCATATACTCTAACTGCTTAAACATAGAGTCTAG
 TAGTAAAATTGTTGGAGTGTAGAGCAGAATATGCAAGAGTCTTCAAGTCTTAACTAT
 AGTGTCAAACGCCATTGAAAGGTATTCAATTACATCCCAGAAATTGAAGATAATG
 CTGCCCCCTCCCCACCTGCTCTTGCTGGGTGCTAACATTCTAAACATCTTACTAAT

 91487 TGCATGGGTATGATCTGGCTTAATGCAACCTCCACCTCCAGGCTCAAGCAATTCTCT
 GCCTCAGCCTCTGAGTAGCTGGGAATATAGGCACCTGCCACTATGCTCAGCTAATT
 GTATTGTTAGTAGAGAACAGGTTTCCACCATGTTGGCCAGGCTGGTCTCAAACCTCTGACC
 TCAGGTGATCCACCCACCTGGCTCCCAAAGTGTGGGATTACAGACATGTGCCACTGA
 CCCTGGCCAGTTGTACATTGTTAGTCGGTTGAGAGTCAATGTTGCTATAAGGCCGA
 [T, -]
 TTTTTTTTTTTGAGACAGGGTCTCACTCTATCTCCAGGCTGGAGTGCAGTGGTCAA
 TCATGGCTTACTGTAGCCTCGAATTCTGGGACCAAGATCCTCTTGCCCTCAGTCTCCA
 AAGTGTGGGATTATAGGAGCCCAGCCTCAAGGCAGAGAGGCAAGAGATTGATTAA
 TCTTCCATGTGGTTACTAATTGTCACACCCATAAAATGACATATCCTTCTTT
 TTTCTTGTAAATGACACCCATTACATGTATCTCCTAGATTAGTCTGTTTT

 92081 TTGTTTGATCTGCCCTGTTCTGCTGCCATACCCATTGTTGGTAACTTAGTTAC
 ATGCACTTAATGTTAGAGAACAGTCAACACCTCAGACTGCCTTCTGAATCTTTTA
 GAAATGTTCCACATGAGTGAATTGAATAATTGTTATGTCCTGAAAGAAATCCC

ATTCACAATTATTGGAATTGTACTGTTAGGGAAATGGAGAAAATTAAATCT
 TTACAATCCTGAATTCCTATTCAAGGGACACAGAGTCTCTCGTTACTCAACCCCTCT
 [A, G]
 TTTTCTCAATAAATTCTGTCACTTCTCATAGGTGTTGCACATTATAGACATT
 TTATATTGGTGCCTTGGATTTGTCAATTATAATTCTGGTTGTATGTG
 TTTGTATTAATTATGTAAACAGTGCTTACTAAATCTTACAAATTCTAATAGTA
 ATTGTGAACGTAGATTCCAGAAAATGATAATTCTCCTCTTTCAA
 TGTTTTGACTATTATCTGTATTCTGCTACTGCAGGGCTAGACCTCCAGGAA

92888
 TATTTTGCACTTTCATGAGCTGTAGATTAGTTACATTCAATTCTCATAT
 GGTGGCTGATGCACTTGAAAGAGTTAAGAAACTCAATTTCATATACGGAATTG
 TTGAATATTGTTGCCCTCCTAAGTACTTGATGTTATTACCAACCTGCTTTGTCA
 TTTGGTTTCTGACATTCACTTGCCAACAAATATTCTGAGTGCTACTATGTTCTA
 AACTAAATTACTGGTTATCATTAACTATATTGTATGTTGCTTTTT
 [A, T]
 AAAAAAAAAGCAGGTGATATTGAGCCAATCTGAGAATTATTATGTTACAG
 GAAGATTTAACCTATTATAGTTATTATAATATGTTATGATCAGAATTGCTTGTCA
 GCTTATTGTTCTGAATTATGCTTCTTGTCTGTATTGTACTCTAT
 AAACTGTTGTTATTATCATCTCAGTGCTCATATATTCCCTAATCTAAATCT
 CCCATAGTTACCTTAAAAATTGGAAGTTTTTCCCTTAAAGAGA

93194
 AAAAAAGCAGGTGATATTGTTAGCCAATCTGAGAATTATTATGTTACAGGAAGA
 TTTAACCTATTATAGTTATTATAATATGTTATGATCAGAATTGCTTGTCA
 TTTGTTTCTGAATTATGCTTCTTCTTGTATTGTACTCTATAAAACT
 GTTGTATTATATTATCATCTCAGTGCTCATATATTCCCTAATCTAAATCTCCAT
 AGGTTACCTTAAAAATTGGAAGTTTTTCCCTTTAAGAGATGGGG
 [G, T]
 TCTCACTTGTGCTCAGGCTGGAGTGCAGTGGTGTGATCATGGCTCATTCCAGCCCTGA
 CCTCCTGACCTCAAGTGATCCTCCACCTCAGCCTCCAAAGTGCCTGCATTACAGGTGT
 GAGCCACCATGCCTAGCCCTGTACCACTCTTAGTTCTATTATTAGGAATTGGAG
 CCAACCAATGAAAGACTTTGTTAGTCTTTCTAAACATGCTGACAATTATTC
 AGCTTATTAAACCAACATTATAGCATTTAGATTATCTGTTATTGGTGTGCAT

94938
 CTCCCAAAGTCTGGATTACAGGCATGAGCCACCGGCCGGGGACAGTTATT
 ATTCTCTGAGGTGCCAAGTTCTTACGTTCTGAAATTCTAAAGTAGATCATTC
 TCAGAGAGGACCCCTCAGGATAATGTTCTGTTGTCGAATGTACAGATTCTACTCCCAC
 CTCTATCCCCACTCCTTGACCAGGCTCATGTTGGTTAAATCTGTACTTACCA
 CTGAAAAGAAGTGTACCCATTCCAGTCACTGTCGACCAATAGTCAGGATGTTAGAAGC
 [C, T]
 TTTGTCCTGCCGTGTCATGTTGATGGCTGAAGACAGGTTAATAGCATCCATT
 ATAGAATTGGAATTGGAAGAATTCTATAGGAAGAATCCACTTCATGCAGTCTTCCA
 GCCCCACTGGCTGCTGCTGCCGTGAACACATGGATGGGACAGGACACACTGCAG
 TTCATAGTGTATACTGTCGCTGGGTCTGCTCTTACCCACTGTGTCGGTGTGAATT
 ATGTATTCTGCTGCTAGTGGTAACCATTCTCTGTGACCAAAAAGAATACAATTCA

95367
 GGCTGCTGCTGCCGTGAACACATGGATGGGACAGGACACACTGCAGTTCATAGT
 GTATAGTGTGCTGGGTCTGCTCTTACCACTGTGTCGGTGTGAATTCTATGTATT
 CTGCTGCTCTAGTGGTAACCATTCTCTGTGACCAAGAATACAATTCAACGTTCT
 CCTCATATAGCAATTAAATAATATGATATTGTTAAAAGAACAATTCTGCCATTGGA
 ACATATATGATGTGAATATAAGTATACCAAGATATTCCATGCTTATAGTTGGAGTTAGG
 [C, T]
 GTCATCAAAGAAAAAGCTGTTACAGAAGAGGATTAGCAAAGGCCAGCTCTGGAGG
 AGGTCTGTGAGATACTAGAAAATCTTATCCAGGCCGGCACAGTGGCTCATGCCGTAA
 CCCAGCACATTGGGAGGCTGAGGCCGGCTGATCATGGTCAAGGAGTTCACGACCAGC
 CTGGCCAACATGGGAAACCCCATCTACTAAAAGTAATATAAAAATTAGCCAGGCATG
 GTAGCTCATGCCGTAGTCCCAGCTACTCAAGAGGCTAAGGCATGAGAATCGCTGAACC

95495
 CCTAGTGGTAACCATTCTCTGTGACCAAGAATACAATTCAACGTTCTCTCATAT
 AGCAATTAAATAATATGATATTGTTAAAAGAACAATTCTGCCATTGGAACATATAT
 GATGTGAATATAAGTATACCAAGATATTCCATGCTTATAGTTGGAGTTAGGCGTCATCA
 AAGAAAATGCCGTACAGAAGAGGATTAGCAAAGGCCAGCTCTGGAGGAGGTCTG
 TGAGATACTAGAAAATCTTATCCAGGCCGGCACAGTGGCTCATGCCGTAAATCCCAGCA
 [C, T]

ATTGGGAGGCTGAGGCAGGGTGTACATTGAGGTCAAGGAGTTACGACCAGCCTGGCAA
 CATGGGGAAACCCCATCTACTAAAAGTAATATAAAAATTAGCAGGCATGGTAGCTA
 TGCTGTAGTCCCAGCTACTCAAGAGGCTAAGGCATGAGAATCGCTAACCTGGAAAGT
 GGAGGTTGCAGTGAGCCAAGATCACGCCACTGCACTCCAGCCTGGCGAGAGAGACAA
 ACTGTCTCAAAAAAAAGGAAGAAAATCTATCCAGTCTGGCATCACCTTCAC

 95755 TCCAGGCCGGCACAGTGGCTCATGCCTGTAATCCCAGCACATTGGGAGGCTGAGGCAGG
 CTGATCATTGAGGTCAAGGAGTTACGACCAGCCTGGCAAACATGGGGAAACCCATCTC
 TACTAAAAGTAATATAAAAATTAGCAGGCATGGTAGCTCATGCCTGAGTCCCAGCTAC
 TCAAGAGGCTAAGGCATGAGAATCGCTGAACCTGGAAAGTGGAGGTTGCAGTGAGCAA
 GATCACGCCACTGCACTCCAGCCTGGCGAGAGAGAGCAAATGTCTCAAAAAAA
 [A, -, G]
 GAAGAAAATCTTATCCAGTCTGGCATCACCTTCCACCCAGTCCTACCTCCCTGTTG
 GCAACTAAGGCTACTGCAGCAGTCATGCAAAAGCCATTGCTCTCCCTGAGGTACA
 GGTATCTGGGTATATACATATGTGTAAAGTACACATTATCTTATTACAGAATATACTA
 CATAATTATGATGCAGAGTGAAGAGATTGAAAAACACATTCAAGTGCCTAAAGTACA
 GCTTGGGATATGTAGCAGTATAATTGAAGGACATGTAATAAAAGCTAATGTGTAAAA

 97031 CACCCACCATGGCATGTCAGCTGGCTGCATCCCTGCTGCCCTGTCTTTCTCTGCC
 CTCAGCCTCTGAATACCTGGCTCTGCCTCCTAAGCTGGCTGGATCCCT
 CTGGTCTGGCATACTCATTGAAAGCTTCCCAAGTCTCACTTTATTGGGCAA
 CTGATTAATCACTTGAAGAAATTAAATCATTTCAGTGTAAATTTCAAAAGTTCTGTC
 CAGCTGGCTCTGCTCACCTCTTAGGATGTCACGGAGAGTCTTGAGTTGCAGCCT
 [C, T]
 GGGTCACGTGTGCCCTTGCTCCAGTTAGACGGTGTACAGCAAGTTGGTACAAAA
 TATGGCTGCCCTGGAGCTACTTATTCAAGTGGTCTGGCTCAAGACAGTTCTTAGAA
 GAGGCTGGGTATGGTAAGGATCGTGGTGAACAGGATTGGTATGATGTTGCTGGCTACT
 GGGGAGGAGAACAGGAAACAGCGCAAATCCAGAACGGCTGGTCTTGTCTTAAGGCTG
 GCTGGAAAGAACAGAGCACATGCAACTCCATGCTGAATGATCCTGAGTATCTCAGGGT

 97176 AAGCTTCCTCCAAGTCTCACTTTATTGGGCAAACGTATGATTAATCACTTGAAAAATTAAAT
 CATTTCAGTGTAAATTCAAAAGTTCTGTCAGCTGGCTCTGTCACCTCTTAGG
 ATGTGTACGGGAGAGTCTGGAGTTGTCAGCCTTGGTCACGTGTGCCCTTGCTCCA
 GTTAGACGTGGTCACAGCAAGTTGTGGGTACAAAATGGCTGCCCTGGAGCTACTTATT
 CAGTTGGTCTGCGGTCAAGACAGTTCTAGAAGAGGCTGTGGGTATGGTAAGGATC
 [A, G]
 TGGTTGACAGGATTGGTATGATGTTGCTGGCTACTGGGAGGAGAACAGCGCA
 AACCCAGACGGCTGGTCTTGTCTTAAGGCTGGAAAGAACAGGACATGCA
 ACTCCATCGCTGAATGATCCTGAGTATCTCAGGGTGTGATCATGTCCTAACCGAGGACC
 CAGGCCATGGCAGACCACTGTGCCACAGAGAGATGCCAGCTAGGGAGGGACCCAG
 AGGAGCCTGGCCACAGCTGGTCTGGCTGTGCTGGGTGCCCTGAAGGCATGGCTGT

 97768 ATGGCCTGTGGCCTTGATGAACTCAGAGGGGATACATCTCATCTCAGGCCAGAAA
 AGCTCGAAAAACTCCTTGAGCTGGAGGTGAGAGATGACCAAGCAAGAGAAACATCAGTT
 GCTACAAAATCACTGTAAGAATGGCTCTGAAACAGGGCCAGCCCAGAGCTATACAGA
 AACCTTTTGAGCGAGAGCTGGCTTCATGCCCCATCTCACAGATGGTTTGACGTC
 AGAGGAGAGAACAGCGGAAACCTATCGAGTGGACACGGCTGTGGCTTAGCCTGCG
 [C, T]
 TCAGATCCATTGCTGACTCACCGGTAGAGGGCAGAGGACAGGATGCAAAGCTCTGTC
 TTCCAGAAAGGACTCCCTGGGCTCCATGAAGAGAGCGCTCTCAGTAACATTACACTAC
 ATTTGTTCTGTTGCTTTAAATGTTGTTCCCCAGTTCTGGAGTGGAG
 ATAAAATCTGGTAGGGAGCTAAGTTGTTCTCTGCTGGAAAATTGATCTT
 CCTGAAAGCTGATGGCTGTTCTCAGGGAGGCTGGAACATTGTTGGTAGGTCCAG

 98400 GAGAGCTGACAGGAAGGTACCACTGGACAAACATGAGCTTAGCCAAACCTGGGAATATC
 CATGCACAGTCCTGGGTTGAAAGTAATTCTTATATAGAAATAAGCAGGAGCTCAT
 TTAACCTACACATGGCTTTGGGCTCAGTGGATTGTTAATATATGATGCCAACAG
 GTGTTTGCCAGAACCACTGTGTAGAGGGTGTGCTGTGGCTGTTCTATTGTTCA
 CAGCATTGAGGGTAAGCAACGAGGTTCCATTGCTGGCCATGCCACTTAACCTGTGAC
 [C, T].
 TTAGACAAATTAGTTAATCACACTATGCCTCAGTTCTTCAACTGTAAAATGGGATAAT
 GCTGGTGCCTTCCTCATAGGGTTATTCTGAGGATTAAAGGATATAACGTACTAAATACCT
 TGGCACAGGGCTAGCATACTGGGACTAAATCATTGTTATGATTGAAAGTATGAG

TGAGTGGACCAGATCTTGCCTACACTCCATATCGGAAACCAGATGTTGTCCTAGAG
 CTCTGTGGTCAGTGAACACGTGCACTTGAGGTTCTGCCAAGGTTCAGAGCAAGC

 99782 TCATTTGTTGACTGCTGTGGTTACTCAGAAACCAGCAACTATGTCAGGTTCTGGTTA
 CAGAGTAACCAATAGCAAGTCCTTAATGTCCTTAGAGGTATGCTTCTCTCTGA
 GAAACAAGGAAGGATTACAAGATTAACACTTACCTTATATGAGTAAGATGATTAACAA
 GATCAGCACTTACCTTATATAAGAGTAAGATGAAAGGCCAACAGACAGACTCTAAGGA
 GCATGTAACATCAAGCCTGCTAACAGGATCTGGCAAACATCCTAGCAGTT
 [A, G]
 CATTAAACAGATTATACTGTTAATGCTATTTAAAGCTATTCCTCACTCATGTGGT
 TTCAGGACTTCCACAGATACTAAACCTCAGATGTCAGTCCCTCTACAAAGTGGTG
 TCGTTTGCATATAACCTACACACGTTCTCCATACACTTAAATGATCTCTGGATTAC
 TTAGTCATGTGCTGCATAATGATGTTCACTGACAACAGACCGCATGTCAGTGAAGT
 CCTGTACGATTACACTGAACCTGAAAATTCCTGTCACATAGTGTATGTCAGTGT

 104080 GGGGAAATCAAGAAGGCTCCCTGAGGAAGTGGCATGAAGGCCAACAGCTGGTAGCTGAG
 TAAAAAGTTATCTAGAAAAAGAGGCCAGGATAGGAGTGGGAGGAAGACGAGAGCTCTGG
 GAGCTGAGAAAGGCCAGCAGGGTAGGGAGTGGGAGGGATACATGGGACAAGGTAATGCA
 GTAGAGGTAGGCAGTCACTAGGTGCTCAGAGTCCAGTGAAGAATGTTGAGTTGATCCT
 AAAAGCAGTGGTAAGCATCAATAGGTTGTAATCAGGGTTGTGACTTGATGAGGTTATAG
 [C, T]
 TTTAAAGGATTATTCTGTTGAAAAAAATGGGATTATGGAGGCTGAGTTAGGAAACTACT
 ATAATAACCTAGAACAGACACTGTGGTTGAAATAGTACAATGGTAGGCATAGGAGA
 AATAGATGGATTCTACCTATTTCCCTATGTTGAGGAGCAGGGATACCTAGATTCTGCCT
 ACTTACTGGATATGGAAAGTGGAAAAGGAGCTCAGGGATACCTAGATTCTGCCT
 TTTCACCTGGACAGAGGCACTAACACTAACAGGGAGTTCGGGGGAGGACCAGGTC

 104087 TCAAGAAGGCTCCCTGAGGAAGTGGCATGAAGGCCAACAGCTGGTAGCTGAGTAAAGT
 TATCTAGAAAAAGAGGCCAGGATAGGAGTGGGAGGAAGACGAGAGCTCTGGGAGCTGA
 GAAGAGCCAGCATGGGTAGGGAGTGGAGGGATACATGGGACAAGGTAATGCACTAGAGG
 TAGGCAGTCACTAGGTGCTCAGAGTCCAGTGAAGAATGTTGAGTTGATCCTAAAGCA
 GTGGTAAGCATCAATAGGTTGTAATCAGGGTTGTGACTTGATGAGGTTATAGCTTAAA
 [G, C]
 GATTATTCTGTTGAAAAAAATGGGATTATGGAGGCTGAGTTAGGAAACTACTATAATAA
 CCTAGAACAGAACACTGTGGTTGAAATAGTACAATGGTAGGCATAGGAGAAATAGAT
 GGATTCTACCTATTTCCCTATGTTGAGGAGCAGGGATACCTAGATTCTGCCTTTCA
 GGATATGGAAAGTGGAAAAGGAGCTCAGGGATACCTAGATTCTGCCTTTCA
 TGGACAGAGGCACTAACACTAACAGGGAGTTCGGGGGAGGACCAGGTCTTGGG

 105134 TAGGCTGTTGGCTATGTTGGCTGGAATGCATCACAGGAACTGGCTGAATATGGAGAT
 TTGGGAGTCATCAGCATGTGGATGCCAAAAGAAGCCATAAGTGGCTAAATTGTCCTGGG
 CAAGAAGGTAGAATCTGAAGAGAACAGGCTTACACAGGGCCTGGAGGCCAGGCCAC
 TGACCTCTTCATGGGAAGGTGGATGCATTGAGGCTGAGTCTCCTGCTCTTACAC
 CAAGCCTGCTGAATTCCCTCAAGACAACCTCCCTCATTGCTTATGATCCGGTGGTG
 [C, T]
 GCCGGAGGCCAGTGCACACTGGCTTATGGAGCTTATTGTTAAATTGAGGAATTGTTG
 AGCCGCTTGGTGTGAGTGGCCATGTTAGGAGCAATCACACATGGAAATTGTCAAATTCT
 ACTAATCAAGGTTTAAATTATTTCCCTCTGGAGTGGCTGTTGTTAACATT
 ACCAGCATATCTCCGTTCTAACCAACTCATCTTGCTCTAGTGAACATTGTTG
 TTTCCCTGGAATCTGGAGTAAGCATGATCTGATCATTCTATATCTCTGAAAG

 105911 TTAGGAGTCCTCATGAGGGCTTAATGAGGTTCTGCTTAGGGACTTACAAAGTTAAAT
 CAATCGAAAGAATTCACTGCTGTGAGAGTAGAACTGAGATCCTGCTGTTAGGCTA
 CTCTCACAGTGCATAAAGAAACCTGAGACTGAGTAATTATAAGAAAAGAGGTTA
 ATTGGCTCATGGTTCTGCAGGCTCTACAGGAAGCAGTGGCTCTGCTCTGAGGAGAA
 GGAAACTTGCACTGGCAGAACAGGCATAGGAAAAGCAGGCCAGTCACTGCCAGAG
 [T, C]
 GGGAGGAAGAGAGGGAGGGAGAAGGTGCTACACGTTTAAACAACTGGACCTCATGAT
 AACTCACTCATTCACATGAACAGCACTGGGAGTGGTGTAAACCCATTGAGAAACT
 CTGCCCTGATCCAATTGCTCCCACAGGGCCCACCTCAACACTGGGATTGCAAT
 TCCACAGGAGATTCGTTGGGACGCAAGATCCAAACCATATCACCTGCTTCTTGGCAG
 TATTAGCTAGGGGATGCTCTGCTCTAAAGTCACCTGATTCTCCCTCCCGTGT

105944 CTGCTTAGGGACTTACAAAGTTAAAATCAATCGAAAGAATTCACTGAGACTGGTGTGAGAGTAG
 AACTGAGATCCTGCTTATTAGGCCTACTCTCACAGTGCTATAAGAAATACCTGAGACT
 GAGTAATTATAAAGAAAAGAGGTTAATTGGCTCATGGTCTGCAGGCTCTACAGGAAG
 CATAGTGGCTCTGCTCTGAGGAGAAGGAAACTTGCACTGGCAGTCAGTGGCAGAAGGCATAGGAA
 AAGCAGGCACGTCTCACATGCCAGAGTGGGAGGAAGAGAGGGAGGGAGAAGGTGCTACA
 [C, T]
 GCTTTAAAACAACGGACCTCATGATAACTCACTCATTACATGAAACAGCACTGGGA
 GTGGTCTAACCCATTCACTGAGAACTCTGCCCATGATCCAATTGCCCTCCACCAGGC
 CCCACCTCCAACACTGGGATTGCAATTCCACAGGAGATTCTGGGGACGCAGATCAA
 ACCATATCACCTGCTTCTTGCCACTATTAGCTAGGGGATGCTCTGCTCTAAAG
 TCACCTGCAATTCCCTCCGTGGCTCCATCTCAAATTGGCAGTGGCATGTTA

105970 TCAATCGAAAGAATTCACTGCTGTGAGAGTAGAACTGAGATCCTGCTTATTAGGCT
 ACTCTCACAGTCTATAAAGAAATACCTGAGACTGAGTAATTATAAAGAAAAGAGGTT
 AATTGGCTCATGGTCTGCAGGCTACAGGAAGCATAGTGGCTCTGCTCTGAGGAGA
 AGGAAACTTGCACTGGCAGAAGGCATAGGAAAAGCAGGCACGTCTCACATGGCCAGA
 GTGGGAGGAAGAGAGGGAGGGAGAAGGTGCTACACGTTTAAACAAACTGGACCTCATG
 [A, G]
 TAACTCACTCATTACATGAAACAGCACTGGGAGTTGGTCTAACCCATTCACTGAGAAC
 TCTGCCCATGATCCAATTGCCCTCCACCAGGCCACCTCAAACACTGGGATTGCAA
 TTCCACAGGAGATTCTGGGGACGCAGATCAAACCATATCACCTGCTTCTTGCCGA
 CTATTAGCTAGGGGATGCTCTGCTCTAAAGTCACCTGCATTCTCCCTCCGTGT
 GGCTCTCCATCTCAAATTGGCAGTGGCATGTTAGATCCTGTCAGGATTGATTCCCTT

106134 TCTGCTTCTGAGGAGAAGGAAACTGCAGTCATGGCAGAAGGCATAGGAAAAGCAGGCAC
 GTCTCACATGCCAGAGTGGGAGGAAGAGAGGGAGGGAGAAGGTGCTACACGCTTTAAA
 ACAACTGGACCTCATGATAACTCACTCATTACATGAAACAGCACTGGGAGTTGGTCT
 AACCCATTCACTGAGAACTCTGCCCATGATCCAATTGCCCTCCACCAGGCCACCTCC
 AACACTGGGATTGCAATTCCACAGGAGATTCTGGGGACGCAGATCAAACCATATCA
 [G, A, C]
 CTGCTTCTTGCCACTATTAGCTAGGGGATGCTCTGCTCTAAAGTCACCTGCAT
 TCTCCCTTCCGTGGCTCTCCATCTCAAATTGGCAGTGGCATGTTAGATCCTGTC
 AGGATTGATTCCCTTGACTTCTCTGCCCCACAGCCAGACAAAGCTCTGCTTGAA
 GGGCTGTGTCATTCTATCAGTCCTACCTGGATAACCTTCTGCTTGCATACCCGTG
 CCTGTGTTAGTCTCTAGGGCTGCTGTAACAAAGTACCAACAAATGGTGGCTAAAGCA

106148 GAAGGAAACTGCAGTCATGGCAGAAGGCATAGGAAAAGCAGGCACGTCTCACATGGCA
 GAGTGGGAGGAAGAGAGGGAGGGAGAAGGTGCTACACGCTTTAAAACAACTGGACCTCA
 TGATAACTCACTCATTACATGAAACAGCACTGGGAGTTGGTCTAACCCATTCACTGAG
 AACTCTGCCCATGATCCAATTGCCCTCCACCAGGCCACCTCAAACACTGGGATTG
 CAATTCCACAGGAGATTCTGGGGACGCAGATCAAACCATATCACCTGCTTCTTG
 [C, T]
 GACTATTAGCTAGGGGATGCTCTGCTCTAAAGTCACCTGCATTCTCCCTCCGT
 GTGGCTCTCCATCTCAAATTGGCAGTGGCATGTTAGATCCTGTCAGGATTGATTCCC
 TTGACTTCTCTGCCCCACAGCCAGACAAAGCTCTGCTGTAAGGGCTTGTCATT
 CTATCAGTCCTACCTGGATAACCTTCTGCTTGCATACCCGTGCCCTGTTAGTC
 CTAGGGCTGCTGTAACAAAGTACCAACAAATGGTGGCTAAAGCATTGGAAATGACTTA

107058 AAAGACCTTATTCCAATTAAGTCCTATTACAGGCAGTGGAGTTAGGACTTCACAT
 ACCTTTTGAGGACCAATTCAACCCATAACAGTGCCTAGTAAACAAATAGAACATAAT
 CACATGAATGGTACTTCATCATATTCAATTGGTCCAGGGTTACGGCATGGAATTGGG
 TGGTGAGGAGGCATTAGAATTCTGCCTACCATAGTCCTCAAAGGTGCCCTTAAATA
 ATTGTCTCATCTGCTGACTTACCTAAAAATAGATCCCATGTCATCCATGGTGCCTCCTG
 [A, G]
 ATGACCTCAGTTTACCTGTTCTCCTCCCTCCAGTTTGAGTATTGCTGCCTAACAA
 ACAGGACTTCTCATGGACTGCACTGTTCTCCAGAGGGACAGACTCCTAGAAACTC
 AGTGCCTGAGCTGATTACGATATTGGTACAAGACACAGTGAAGAAACTCTTCCA
 TCCCTCAAACATGACCAATTGCTCCAATCCCCAGCAAGGAAAGTTGCTTGT
 TTTATTCTTAAATTGTAAGGCATATAACAAATTGCTCTGCTTCTGCTTGT

107310 GCTGACTTACCTAAAAATAGATCCCATGTCATCCATGGTGCCTCTGAAATGACCTCAGT
 TTATACCTGTTCTCCCTCCAGTTGAGTATTGCTGCCTAACAAACAGGACTTTC
 TCATGGACTGCAGTGGCTCTCCAGAGGGACAGACTCCTAGAAACTCAGTGCCTGAGC

TGATTACGATATTGGTACAAGACACAGTGAAAATGAAGAACTCTTCATCCTCAAACA
 TGACCAATTGTGCTCAATCCCCAGCAAAGGAAAGTTGTTGCTTTGTTTATTTTT
 [T, -]
 TTTCTTAAATTGTAAGGCATATAACAAATTGCTCTGCATTTCTCACATGGTTTG
 GTTGGAGATGCTTCCTTCCCAGCCGCTGCTGACCTCACTCTTAGCACACTCAG
 GCTCAGGCTGGAGTCATCTCATGCCACCTGTGATCTGCCCTCTCTTCACTTCCC
 CAGAACACATTCCCACCATGAGTGATAGCCATGTTCCATCTGCAACTGGCTAAATTG
 CACGGCACTTAGAGTCCTTATCTCCCTCCAGATGTCAGCAAATTCAAAA

 108283 TGTTGATTTGTACCCCCAAGATGACATGACACCCCTAGAGTCAGGAGGCTGGGTCTTA
 TTGTTGCCAGGTAAAGTCCAGGCATATCTGGTCAACAGGACCCATGGAAACCAAAGC
 TTTGTGTTGGGGCATCTGTGAGAAAGGATGATGAGGCCTTCTGAGGAAGGAA
 TTGAACCGATACTTAGATCTCATACCTTTGTTCAAAGGCAGAGTCAGGCAGGGTGC
 AGGCCAAGTCAGAGTCAGTAAGCATGAGCTCCAGTCAATGCTAAGGGTCGGTGGC
 [A, G]
 TACAAAACCAGGGACAAATCAGCTAACTACTTCTTGCTGAAAATGAAAGCTCAGTT
 TCTCTCCAGGGACACTCAAGGATCAGATGAGGTCACAGAAATGAAAGTAAAGACTTC
 AGGGAAAGAGGAGGATGGTGGCCAGGCCAGGAATAAAAGACTCAACGTAAGCCTCA
 ACTTGAAATGGGGCCCAAGGACATGCTCTAGAACTCCTGCTCTACTCTGTAGCAGAGCA
 AATATTGATTCAATGCTCTAAGTGTATGAAGGCCCTATACATCCCCAGCCTTTCC

 109168 AGCATGTCAGAGGCCAAATCCCCAGCACAGGATTAATCAGTTGAGCCTGTGCTCAGTC
 ACAGAAGGAATTGAAAATCATGTAAGAGTGTGCTTCACTGAAGCAAATATGAGTTGTAC
 TGTTATGAACAGCACATTCTAGCTGAACCTAGGAGGTTGATTCTGGGTTTGA
 TTTGGGAAAGCAGTTGTAATTCAAATTGTGCAAGCTGATACTAGACGCGCCACCC
 GAGCCCCGATCACAGATTCAAGATGTCTGACTTTGCTTAGATCCACACTCACACTC
 [G, -, T]
 GTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG
 TTACTTACTAGGGAACTCTACCATCTCCAGGCACTCCAGGACCCAGTGATGTG
 TAGCCATGAGAGGGCTGTTCAAATGGTCAGATCCCTCAGAGATTGAGCTAAACAG
 CCATCCCAGGACATTAGACAGGGATGGCGTAAAGCTGTTGAGCTCTGTTGTTG
 GTTTGAAACATGGTCATGAGAAGAATTGTTATTCACTCAGTCTGCAACTGTGTTG

 110938 CTTCAGAAACCCCTCTGACCACTTAGTATGCGTTAGCAGAACGACCTCTAGATAAAAT
 CTTTCATGCAATTCTCTGAAACCTTCACCTAAATCTGGTCTTCTGAGAGCAT
 CTCTACTTAGAAAACATTCTTTAGTTGATAACCGTGTCTATTATGCTGCA
 TTTAAAGAGCAAGGGGAAATGAGGCAGGGCTCTCTGGAAGCAGCAAGTTCATGC
 ATCTGGGCTGAAATCTAAGTTTACAGAGATGGATGCTATGCATCATAGACTCCA
 [A, G]
 TCCCCCAGTGCAGGTAGAGGGTTTCAGCCCCAGTACCCCTGTCGCTGCGTGA
 CACAGATTCAAGGATCTGATGTCAGGCTGAGGATGAGGAGGATAAGGAACAAGC
 CTCAGGAGCTGCTGAGCTGGGCTGAAGGGGATGCAAGGGCTCTCTGCCCTCAGG
 AAACAACAGAAAAACTCTCAGCAGCTATGGCTACCACTGAGCATGCACTATGT
 GTTCAGCAGTGTCTATGTATATTCTGATTCCCCAACCCCTCTATGAGATAGGCT

 111713 AGCTAATGCTGTGGTAGACCCATTGCTTCAGAGCTGGCACCGTGGCAGTGCAGTGAG
 GATGGGCCAGGGAAAGAGATTCTGGTTCTTGTCAAGTATAAGTATGTTATAGCAGC
 GCACCCATGAGGAACAGCAGACCCCTGGGCTGAGGTGGGAGAGGCTTGGCTAAG
 ATGGGGGGAGGCAGTAAGGGGAGTCAGGGCTTGGGAGTCAACTGGACGTACAGGG
 [G, A]
 GGACAAGAGCAAGACTAGCTGCTGAGTGGAGAGGGCGGACAGTGGCTTACGATGGCT
 GGTGGGGAAAGACTGGCAGTGCAGGCTGGTCAAGTGGTTGAGCGTCCCTAGAACCT
 CCCTCCTGGACAGCCCCAGTCTCAGAAATGGGCAAAGGCAGGGAAAGACAGGCAGGA
 TCACCTCCCTCACTGTCCTCGTCCGATTTCTATGGAGCCTCCATGACATTCA
 TGGGCATCTGCAGGGTATTGTGCCAGAGATACCACGTCAGGGATGCAGGAGCCTCC

 113984 TTCACTTTCCATGTTGATAAAAACATTGCTACAGATGCCCTAAATGCAAGCCGGTG
 CCTCTGTGCCCCAGGGGATGTGCTCAAGGTGAGAGTCTCAGGAGCAGGGTTTCCTCAGC
 ACACCCGGGCCACAGGCCCTCTCTGTTAAATGTCATATTGAAATAATGTCACATAAA
 CCAGGTCACTCTTCAAGGGATATCAGGATTCACATTCTCACATACAGTTAGCC
 CCATGGAATTCAAGACTAAGTGTACAAACCTATGATAGGAATCCCAGAAGGTAAA
 [T, C]

GCAGTTGTGAACATTTATCTTCAAAATTACTGCCCTCAGTGTATTCTGGTGGCA
 GGATATCCAAAATGCCTGAAATGTGCTTCAGCGCAGGACTCCGTTGTAAATGTC
 TGCTGGGACATTAGTAACAAACACCAGTGATTGAGCTCACTCCTGTGTGATGCTAG
 ACTTGGAAAGCTTTAAGGAAATTAAATCACACATTACATAACACAGTGTGAAAAAA
 AAAAAAAAAAAGATATCACAGTATCATCTTAGGCAGGATAACATAGTGTAAAGGCCCCAG

115302
 TGGGCCTGCACAATACAGAAAGGATTCTACTTAAGGCTGAGACCTGGGAGGACTGCCCTC
 TCTGTGAAAATGGGACTAACGAAATTTCACCTAATGGTCAGGAATGTGGCAAGTAGCT
 TGTGGTCTGCCTAGACTTGAACCACTGAATTACACTACTACACGTTACAGAAATT
 CTAAACCTAGAATAACTAAAGATAGGTCCCAGATCAGTAAACCCTAGAGCTCCTA
 GAGAAATACATGCAAACCCATTATAAAGGACAATCTCCACACCAGAATACAGGATGCC
 [G, T]
 ATGGGAAAAAGAAAATCTCAACCTACAACATAAAATTGAGATCATAAGGAACATAATTG
 CCATCGGGAAAGAGTTAACCCAGACTCACACACTGGGTTAGCTCCTCAGAATCTTCAC
 GTAATAAAACACAATGTAAAAGTAACCTATTAAAGGAAATTCTATGTTGAAATTATTAGAATA
 ATAAAAAAGAAGAGAATTATAAAGAAGGAAATTGTAGGGAAAACAAGCAAATTGGAAAAA
 GTAGAATTCTAGAAATTAAACATTATTAAATTAAATAACATAAAATGATTAAAAACAA

115352
 GACTGCCCTCTGTGAAAATGGGACTAAGAAATTTCACCTAATGGTCAGGAATGTG
 GCAAGTAGCTTGTGGCTGCCTAGACTTGAACCACTGAATTACACTACTACACGT
 TACAGAAAATTCTAAACCTAGAATAACCTAAAGATAGGTCCCAGATCAGTAAACCCT
 AGAGCTCTAGAGAAATACATGCAAACCCATTATAAAGGACAATCTCCACACCAGAATAT
 ACAGGATGCCATGGGAAAAGAAAATCTCAACCTACAACATAAAATTGAGATCATAAG
 [G, T]
 AACTAATTGCCATGGGAAAGAGTTAACCCAGACTCACACACTGGGTTAGCTCCTCA
 GAATCTCAGTAATAAAACACAATGTAAAAGTAACCTATTAAAGGAAATTCTATGTTGAAAT
 TATTAGAATAATAAAAGAAGAGAATTATAAAGAAGGAAATTGTAGGGAAAACAAGCAA
 ATTGGAAAAGTAGAATTCTAGAAATTAAACATTATTAAATTAAATAACATAAAATGA
 TTTAAAAACATATTAGTACAGCTGAAGAGAGAATTGTGAACAGGAAGATAGCTGAA

115804
 AGAAGGAATTGTAGGGAAAAACAAGCAAATTGGAAAAGTAGAATTCTAGAAATTAAAC
 ATTATTAAATTATAATAACATAAAATGATTAAAAACATATTAGGTACAGCTGAAGAGA
 GAATTGTTAACAGGAAGATAGCTCTGAAATTACTCAGGAAAGAGCTCAGAGAGACACAA
 AGATAGAAAATATAAACAGATATAAGAGAAAATATTAGATATTGAAATTATAAGAAA
 TATTGTTAAAAGATATTATAAGAGTTTGAAGAACAGTAGGGTAGTCTATAAGAAAAG
 [C, G]
 GTAGAGGAAGTGAGGGAGAACACTGGAAATGATAATAGCTAGACCTTTCCAAAAT
 TTTTTAAAGATATAATGCCTAGATAAAAGCAGCACTCCAAATCATGAACAGTATAAAT
 ACAAAATTATGTTACAATGATCTGAGAACATCCAAAGATAAAAGTAGCCAAGAGAAAAA
 AAAGATTCTGCAAAGGAACAATTCTAATTGCAAACCTTCAATTAGCAACAAATGGAAGCC
 AGAAGGCAATTGAATAATCTCTAAACAATGAGGTAAAATAGTCACCTAGAATTCTG

115862
 ACATTATTTAAATTATAATAACATAAAATGATTAAAAACATATTAGGTACAGCTGAAGA
 GAGAATTGTTAACAGGAAGATAGCTCTGAAATTACTCAGGAAAGAGCTCAGAGAGACAC
 AAAGATAGAAAATATAAACAGATATAAGAGAAAATATTAGATATTGAAATTATAAGA
 ATATTGTTAAAAGATATTATAAGAGTTTGAAGAACAGTAGGGTAGTCTATAAGAAA
 AGCGTAGAGGAAGTGAGGGAGAACACTGGAAATGATAATAGCTAGACCTTTCCAA
 [A, C]
 ATTTTTTAAAGATATAATGCCTAGATAAAAGCAGCACTCCAAATCATGAACAGTATAA
 ATACAAATTATGTTACAATGATCTGAGAACATCCAAAGATAAAAGTAGCCAAGAGAAA
 AAAAGATTCTGCAAAGGAACAATTCTAATTGCAAACCTTCAATTAGCAACAAATGGAAG
 CCAGAAGGCAATTGAATAATATCTCTAAACAATGAGGTAAAATAGTCACCTAGAATT
 GTTTGAGAGTGAGGGCAAAGATACTCTGTATAAAGAGTTAAGAGGTTACTGAAGAGG

118203
 ACCCATACACTGGAAACTTAAACATATTGAAATAACTCAAGGATCAGAGAACAG
 TCCTAACTGAAATCGCTGAAAGTTAGAAGCAAGCAATAATGAATTCACTACATATTCA
 GTATATAGGATGCTGCTAAAGCAATACTTGGAGGAAAAGTATAGCCTCAGTATAATT
 TAGAAAATTAGAGCCAGTAGTTCATCTCAAACCTTAAATAATAAGAAAAGAGCGTGC
 CTTAATAGAAAATAAGAACATAGTGAGGATCAAGAAAATCAAATCTGGCCCCCTGG
 [A, -]
 AAAAAAAAAAACTTTAAAATTGTCAAACCTGACAAGACTGGCAGTAAACGCTTATG
 TGCCAGAGACTGTTCTATGTGAATTATGTTAATTCACTCAAAGGTCAAATGACCTAA
 GAAGTAGATCAGTTGTATTAAATTCAACCACACAGCTACTAGTACTCTGTGACACCTGA

AAAAAACACTCTATTGTAGGACATTCCGGCATTTCATGGCACCCCTGCAGATTAAAA
 AAAAAAAAACAATGAGGCAAAGATGGGAGACTTATGAGGAAATACATGTAAACCAGAGC

124933 GTGGACATTCTCGCTTGAGGCCCTGGCAGGCTGCAGGGAGGCCACAGACAGGAAAGCC
 TTTATAGCCAGCACCTCTGTAGTGCAGAATGCTGGCAAGGCCCTGCCCTGGGTGAGAGC
 CAAGGAGGCAGCCTGGGAGCTGTATAACAGAACTGGCAGCAGGAAAGGATTTATTCCT
 GCTGAGCATGTTCTGCCCTACCCAGAGGCCCTACCTGCCCTGGAGACCTACTGATGTC
 TCCCACATACCATGTCCCCCTGTGCCTTAACGAAACACAAAGACTTATCATGAGAACGTC
 [C, T]
 GAAGCACC AAAAGGAAAGGCTGGATCATGACCTGGCCTGGCCTCCAGGCTAAATAATG
 AGGCAACTCTGAAGCCAGTGTCAAGGGTAAACTGTGATGAAAGAATAGATGATAACTAG
 CCCATCCACGGGGACTGGAGTGCCTTAATGGTCAGGTTAAAGAGGGTCCAGTCAG
 AGCCCGAGCAGTTACCTAGCCCTTATTGGATGGGTCTAGGAATGGCTCTGC
 AGTCCACACACATGTAGGGCATGTACACTTGCATCCCTGAACAAGGCCGGCTCTGTC

126402 ATTTCTGTGAACCTTGGAGGCCCTGCAACAAACATGGCTGAGCCCAGACTAACCTCTGGG
 CAGCCCCCTACCCCTGCACTGGAGCTGATTATGTTCATGGAGCCTGATTATTTTAACAGATCTCC
 TATTGTTCACTGGCTGTAGTAAATGTTGCTGCAGCATTGATGCTAGGGTAGTGCCA
 GCCAGAAACCTGTGCAATGTCAGATCTGGCTTTGGCCAGGATAGTCTGGATTATCA
 GACTGGGTTTATTTCTTGGCATTGCACTGGCTTCCCTGATTATTTCAAACACACA
 [C, T]
 TTGCATGGCATTCCTCCATACTGAGCAGATTCCATCACAGCTTGGGATTCCACTTT
 TCCTTTGCAATATGGACGTTTGCACTAGTTGCAATTAGCTGTTAGTGAACACTGGCACT
 GCATCTGCAGGCAACATGCCAGACCGCAGCACAGTCACTTCAGATGTTCTTCC
 CCATGTTGGTGGCAGCTTCTTGTCTCCCTCTCAAGATAATTCCCCAAAGC
 TTGGACCCAGCACTTCTGCCTATTCTCATGGTTTGTGGGTATGAATGCCTAGAT

127387 GGCGCAATCTGGCTCACTGCAACCTCTGCTTCCCAGGCTCAAGTGATTCTCCTGCCCTCA
 GCCTCTCAAGTATCTGAACTATAGGTGTGTGCCACCATGCCACCTAAATTGGTATT
 TTAGTACAGATAGGTGTTTGCCATGTTGCCAGGCTGGCTCAAACCTCTGCCCTCAAG
 TGATCCACCCACCTCAGCCTCCCCAAGTGTCTGGGATTACAGATGTAACCCACCGTGCCTG
 ACCAATGCTTGTAGCTCTGAATGATCAGTCAGAAATAAACTTGAATCCAGATTA
 [T, A]
 CGCCAACCAAGAGTTAACATCTCAAGGCCAGAGAGCAACATGCTACTGCTCATGGAGT
 CACATGTAUTGACCTCAGGACATCTGGTAAACAGCGCAGTGCACAGGCCCTGGCAGGC
 TAGCTGTTAGGGCTTATTAGGCCAACAGCCACGGTCCCTCCAGCCTGGGTCCACTGG
 AACCCAGGGTTACTCGGACCGCTGCTATGTCATGGCTGCCCTCCACACA
 CGGGGCCGAAATGTGATGTGGCACCTGCTTTGGTGTGGAGCTGCTTTCTT

128453 CAGTGCCGCAGGATGACCATGAAGCACTTGGTGTATTAAAGTGCCTGGTTCTGCG
 AGAAAATCAAAATAGTAGTAAATGGCAAATATTACATATGGCTTATTCTGCACCAAGGTACA
 GGTCTCATGGTAAAGGTTAATATTGGTCCGATTGGCAGATGAGGAAACGGAGGCT
 TACAGAGGTGAAGTAATTGCCAAGGGCATCAGGCCAGTGTAGTGGTGGAGCTGAGATT
 GAACCCAGGCAGTCTGGCTCCAGCCTGTGAGTCCCTCCCATCTGCCTACTGCATGCC
 [G, A]
 GTGGTATGACCAAGGGTCAACTCGCCTGGGTCCACATGCCCTTCTCCCTGCAT
 TCGGTGTTAGGTCTGTACAAACATTGCCCATTGGATCCTTATAGGGAGGGTAGAGTG
 TCCCGTCTTTCTAATTGGAGTTTATTCAATTATTGGTAAAGCAGATAAA
 AGACACATTAGCCACACTGCTGTGCATTCCCAAAGACCACAGGAAAAAAACTCAAAAC
 TCATGGCATTAAACATAGTATTCTAACAGCTTATTGGATATAATTACATGC

128584 GAAAGGTTAATATTATGGTCCGATTTCAGATGAGGAAACGGAGGCTTACAGAGGTGA
 AGTAATTGCCAAGGGCATAGGCCAGTTAGTGGTGGAGCTGAGATTGAACCCAGGCA
 GTCTGGCTCAGCCTGTGAGTCCCTCCCCATCTGCCTACTGCATGCCCTGGTATGAC
 CAGCAGGGTCAACTCGCCTGGGTCCACATCTGCCCTCCCTGCATTGGTGTAG
 GTCCCTGTCAAAACATTGCCCATTGGATCCTTATAGGGAGGGTAGAGTGTCCCCGTCTT
 [T, C]
 TCTAATTGGAGTTTATTCAATTATTGGTAAAGCAGATAAAAGACACATTAG
 CCACACTGCTGTGCATTCCCAAAGACCACAGGAAAAAAACTCAAAACATGCCAT
 ACATAGTATTCTAACAGCTTATTGGATATAATTACATGCCAGAAACTGA
 TCCATTGGTACAAGTCATGATTTGGTCTTTGCAGAATTCTAAATTAGT
 GTCACTACAATCTAACATTAGAACATTTCATCACCTGCAAAAGAAACTGTATGCCGAT

128680 GGAGCTGAGATTGAACCCAGGCAGTCTGGCTCCAGCCTGTGAGTCCTCCCCATCTGCC
 TACTGCATCGGGGGTGGTATGACCAGCAGGGTCAACTTCGCCTGGGTCCACATCTGCC
 TTTCTCCCTTGCACTCGGTGTTAGGTCTGTCAAACATTGTCCTGGATCCTTATA
 GGGAGGGTAGAGTGTCCCCTTCTAATTGGAGTTTATTCAATTATTTG
 TTTAAGCAGATAAAAGACACATTAGCCACACTGCTGTGCATTCCAAAGACCACAGGAA
 [A, -]
 AAAACTCAAAAACATGGCATTAAACATAGTATTCATTTCTAACAGCTTATTGGGAT
 ATAATTACATGCCAGAAAACGTACCTTATGTACAAGTCAATGATTTGGTCTGT
 TTGAGAATTTCTAAATTAGTTGTCACTACAATCTAATTAGAACATTTCATCAC
 CTGCAAAAGAAACTTGATGCCATATCCAGGCACCCCCATGCCACCCAGCCCTAGGCA
 ACCCTAACTCACTTTGTCACTGTAACATGCCCTCTGGCATGTCACATGGAC

129116 AAATTAGTTGTCACTACAATCTAATTAGAACATTTCATCACCTGCAAAAGAAACCT
 GATGCCGATATCCAGGCACCCCCATGCCACCCAGGCCCTAGGCAACCCCTAACTCACCT
 TTTGTCACTGTACTCTGCCTCTGGCATGTCTCACATGGACTCATACACAATGTGT
 CACTTTGTTCTGACTTCTCACTGGCACAGTGTCTGAGGTTCTCCATGTGTTG
 CATGTCTTTGGTGTGAATCATATTCCATCACATGTGCCACATTGTCATCCGTT
 [A, G]
 TCGGCTGATGAACATCTGGTGCTCCACTTTGGTATTGTATTACCTCTTAGAT
 GGAAAAGAACTGCATCCTAGAGAAGTCTTACGGCCTCGTATAGACATCATCAGTGGAG
 TCTGGCTGCCAGGCCGGTGCCTCTGGTGTGATTCACTCAAATAGGTGTGAAACTGA
 CACCTATTACTCCTTTTGTCAGCAGTGGCTCAGCCCTGGGAGCCCTGCAGCAA
 GTAAGACGCACATGGTCCCCGCCTCATGGGATTGTCATGCAGGCAAGCAGTAAGTGAGC

129549 AGGCCGGTGCCTCTGGTGATTCACTCAAATAGGTGTGAAACTGACACCTATTACT
 CCTTTTTGTCAGCAGTGGCTCAGCCCTGGGAGCCCTGCAGCAAGTAAGACGCACA
 TGTCAGTGTAGGTAGTGTGAGTGTGGAGGAAATCAAATAAGATAATGTGGAGACAT
 ATAATAAGGACTTAAAGATTCTGTTTAAATTAGTTAAACTCTCAATTCT
 [A, C]
 CCCGGCAGTAGACATTCTATTACTTAAAGAATTATCAAATACATTCACTTTACAT
 GGAAAATGTGAAAGATTGAGAGGTGAGAAATCATTTTATCTGTATGCTTAGGGACT
 GAGACACTGCTGTGGATGGGCGGCTCTCCATCTTGTGGGGTCAGTGAAGGACTC
 CTCGCTCCCTCTGCCACCCCTGCTAACAGGCACCCCTCTTCCATTAGCAATCCGG
 GTCATCGAGAGGCTCAATAGCCCCAAGCAGAAACTGCACTGTTGAGCAAATT

129820 TAATTTAGTTAAACTCTCTCAATTCTACCCGGCAGTAGACATTCTATTACTAA
 AGAATTATCCAATACATTCACTTACATGGAAATGTGCAAAGATTGAGAGGTGAGA
 AATCATTCTATCTGTATGCTTAGGGACTGAGACACTGCTGTGGATGGGCGGCTCTC
 TCCATCTTGCGGGTCAGTGAAGGACTCCTCGCTCCCTGCCCCCTGCCAACCTGCTAAC
 AGGCACCCCTCTTCCATTAGCAATCCGGTCATCGCAGAGGCTCAATAGCCCCAAGC
 [A, T]
 GAAACTGCACTCGTGTGAGCAAATTACCCAGTTCTGGCATGTAGAAAGCTAC
 AGTTTACTCTCATGAAAATTAAATCTGTCTGATGTAGTAAGGAAAGGATGA
 GGCAACTGGAGGAACCTCAGTATTGTTGATCAGGAGATGATAAAACTACACATTCT
 GACTCAGGGGATCAATGGAGAATCTTAGAGAGAAACTCACAGAAGAAATTAAAGATAAAT
 TTGCAAGCTGTAATATGGGAATGCAATTCAACACTACAGCAAATAAGGCTCTCC

129934 GTGAGAAATCATTCTGTATGCTTAGGGACTGAGACACTGCTGTGGATGGGCGG
 CTTCTCTCATACTTTGTGGGTCACTGAGGACTCCTCGCTCCCTGCCCCCTGCCAACCC
 CTAACAGGCACCCCTCTTCCATTAGCAATCCGGTCATCGCAGAGGCTCAATAGCC
 CCAAGCAGAAACTGCACCTCGTGTGAGCAAATTACCCAGTTCTGGCATGTAGA
 AAGCTACAGTTTACTCTCATGAAAATTAAATCTGTCTGATGTAGTAAGGAA
 [A, G]
 GGATGAGGCAACTGGAGGAACCTCAGTATTGTTGATCAGGAGATGATAAAACTACACAT
 TTTCTTGACTCAGGGGATCAATGGAGAATCTTAGAGAGAAACTCACAGAAGAAATTAAAGA
 TTAATTGCAAGCTGTAATATGGGAATGCAATTCAACACTACAGCAAATAAGGCT
 CTCTCTGAAAATGCAATTCTGCTGAGGAGTGGGTTATGGAAGCAGTCCAGAGACAGCAG
 GTGGCTGAAACCGAGTGGGTTATGGAAGCAGTCCAGAGACAGCAGACTGCTCACCAAT

132304 AAAATTACAGAACCACTCTCCACAACAACTTCTCTCAACTAGCTTCCCATCATGCAT
 GAATATTACACCTGCTTAAATGCTGGGATGGAGGAACAAACTTGTCTCAGTCT
 AAATTCTGAGAGCTATGAAAGCATTGGTATAACAATGTGCTGCTAAACTGAGGGCCT

TGACCAGTGTTCATGTCAGGCCATGTCAGCCATGCATGAAAACCAAATGCAATGTGGT
 ATACACAAGACAAGGGCGTCAGGGGCCATAAGCTCGTGCCTAAGATGTAGCACTCACT
 [A, G]
 GCCGCCAGTTCTCATTTTGTAAGCTGAGCTTAATGAAATTGCCTCAAGCTGAAT
 GACAGAGCCTCAAAGGTTGGAGACTGATTCCATTGGTTAGCTGTCAGCAAGCCTC
 TTATCCGGAGTGTGATCTCATTTGCCGTTTGCCCCAGCAGCCTCTCTCCTCAC
 ACCTTCTGCTGGCCTAGCACCTTCTTGCCCTGCTACTTCCCTTCTCGTCCT
 CCTCCTTCCTGAACTTGCTCTGTCACCCACCTAACCCCTGCCAC

 133008 CTCTCACACACGCGTGAGAGCAGGGTAGCAGAGGTGGCTACGAATGCAGATTCACTCAC
 AGGCAAATTGTTGAAGTAGCGGGGAGGGCTGATTATGCAGACCACTCCAATTCAATCTC
 CCAGTTATGTTATCACAGGAGCTCATGATGAAAGCACCAACCGATAATTCCGACTTGCC
 TATTACTTATTCTTATCTAGAGGAATAAGAGAAACATTACCTGGTGTGACATTCT
 GCCATCTCTACAAAGCCACCTGCACCTGAGACTTGCCAGCAGCAGAAATAACGAGTTAA
 [A, G]
 TGCTAAATATTCATAGAGAAGAGTAGCAGGGTATTGAAAATAATTCAAAAGACCT
 TCATGTTCTGGTATATATCCCTGGCATAAAACTCTCAGAGATAAAATAGCTTCT
 GACAGGAGGGTGTGGCAGGGGAGGGAGGACCGTACAGGGAACAGGGAGGGCAGCCC
 TGGAAAACCCCTCTGGCTCCCCGTTCCCACGGTGGACGCCCTTGTGAAAGCATCT
 TTGAAATGATTGAGGTTGAACATATTACTGCAGAGCCCTTCAATAATGAATTAAATT

 133347 TGAAAATAATTCAAAAGACCTCATGTATTGGTCATATATCCCTGGCATAAAACCTC
 TCCAGAGATAAAATAGCTTCTGACAGGAGGGTGTGGCAGGGAGGGAGGGCACGGTA
 CAGGGAACAGGGAAAGGCAGCCCTGAAAACCCCTGGCTCCCCGTTCCCACGGTGG
 CGCCGCTTGTGAAAGCATTTGAAATGATTGAGGTTGAACTATTACTGCAGAGCCCT
 TTCAATAATGAATTAAATTATAATGACATTGGTGTGTCCTCTCCACCT
 [A, G]
 TTGGTAGTTAACTGGAAAATTGATGTTGTTGTCAGGACGGAGCAAATTCTGGGAA
 CAGGAGCCTGAAGCTTAGTTAGTCTAACGTGAGACATGTGACGGACGTCCAGCTCCC
 CTGCTCCCATACTTAAATGCTGGCGGGCATGTCCTGGGCCAGCCTGGTGCACA
 CGAGGCTCACAGCCTGTTGTGACACATGAGCTGAGGCATCCTTATTCTCTCTG
 CTGAGGACAGCCTTGGAACCTAACATTAGGATGACTCGGGGCCACGGAAATGACTTGG

 133374 TATTCTGGTCATATATCCCTGGCATAAAACCTCTCCAGAGATAAAATAGCTTCTGACAG
 GAGGGTTGGCAGGGGAGGGGAGGGCACGGTACAGGGAACAGGGAGGGCAGCCCTGGAA
 AACCCCTGGCTCCCCGTTCCCACGGTGGACGCCGCTTGTGAAAGCATTTGAA
 ATGATTGAGGTTGAACATTACTGCAGAGCCCTTCAATAATGAATTAAATTATAAA
 TGACATTGGTGTGTCCTCTCCACCTATTGGTAGTTAACTGGAAAATTGATG
 [T, C]
 GTTTTGTCAGGACGGAGCAAATTCTGGGAACAGGAGCCTGAAGCTTAGTTAGTTC
 CTAACTGAGACATGTGACGGACGTCAGCTCCCTGCTTCCATACTTAAATGCTGCC
 GGGCATGTCCTGGGCCAGCCTGGCTGCACAGGAGCCTACAGCCTGCTGTGACACA
 TGAGCTGAGGCATTCTTTATTCTCTCTGCTGAGGACAGCCTTGGAACCTAAC
 TAGGATGACTCGGGGCCACGGAAATGACTTGGTTCCCGCGAACACTGTGAGGCTGA

 133636 CTCTCCCACCTATTGGTAGTTAACTGGAAAATTGATGTTGTCAGGACGGAGCA
 AATTCTCGGGAACAGGAGCCCTGAAGCTTAGTTAGTCCACTGAGACATGTGACGGA
 CGTCCAGCTCCCTGCTCCCATACTTAAATGCTGCCGGCCATGTCCTGGGGCAGC
 CTGGGCTGACACGAGGCTCACAGCCTGCTGTGACACATGAGCTGAGGCATTCTTT
 ATTCTCTCTGCTGAGGACAGCCTTGGAACCTAACATTAGGATGACTCGGGGCCAC
 [A, G]
 GAATGACTTGGTTTCCCCCGAACACTGTGAGGCTGAGTCCCCCATGGTGTGGAG
 CACCGGGAGGAAGTGGTGCATCAATTAAATTACGGCCTGTTACTGCGTTAAAGGAAGCTGCTAAC
 CAGTCAAAACTGCAAGCAGTGTGTTGTTACTGCGTTAAAGGAAGCTGCTAAC
 AGAGGAGAGATAATTAAAGATAATCATTGGTGGACGCCAGTCCACTGACCCCTGGT
 CTCGGAGTTCTCATGCAACCATTGGCAATTAGATGTGTTCTTATTAA

 134315 CACGAAAGCCATGGAGTTTGCCTCATCCTGAGCACAGAAATGCCCTTAAATGACAGCTACA
 GAATAGAACCATTAACAGAAATGAGCAATCTGGCATTTCACGGCCTGTGCATTTC
 TCAGTGCAGTGTGAGCTAGGGACACTCCTCACGGGGCTACAGATGAAAATGCCAG
 CCTGAACCTGTGTTCCGGGGGGTGTGCTCTAGCTGGGACTGGCAGTGCAGTTC
 TCAGCAAGAGCCTGGCCCTGTCTCCGTTGTCATTCTGGCAGCATGCGTGGAGGAC
 [A, G]

TGATGAGAGAGGGTGTGCAGGGGTCAAAACTGGGCATGGAGGGATTGTGAATGTC
 CCATTCCTGGTTATTAGGCACCCACTGTATGCAAGAGGCCACCCCAGATGCTGACTCC
 CCATGTCTCAGCTCCCCCTGAAGATGAGCCTAAGGTGAAAGAAAATACAGCAGGGGAG
 TTGAGGTGAGATTAGAATCTGTTTCTTACTGTGGGTTAGATCATACCATCCCTGTAG
 CAAGATGACATGGTTGGCTGTGCCCCACCCAAAATCTCATCTTGAGTTGTAATTCAAA

136612 ATATTTGAAAATGTTCATTCTGTACTTGTACTTGATTGACAGATCGGCTGGATATAGA
 ATTCCAGGTGAAATTTCCTTAATAGTCAAGATAGTATAACTGCTATATAACCCCC
 AAATATCAGTAGTATAATACAGTTATTGTATACTCACAGCACGCCGCTCATTCCCT
 GATGGAGTGCAGGAGTCTCTGCTCCACCGTAATTCTGAAACCAGATTCCCTATAG
 TGTGGCCCCAAGGTCACTATGGACAAGGATGAGAGGGAGATTGAAAGAACATGAAAA
 [A, G]
 CCCCACCGCTTAACTGATCCAGCCCAGAGGTGACGTATCATTCTACTCACACCCGT
 ATGTGAGACCTAGTGGAAATGGCCCCCTAGAGCAAGGGGGATGAAAAGTGTAGTGTAA
 CTGTGTATCCAGGAGAGAAAAACACCCGTCAACTTTAAAGGCATCTTAAGCA
 AGCAGTGTCAATTGGTAAAGTCCAATGCTAGACTGATCCTTATTCCCTGTGGGTGACCC
 ATTTAATCTATCTGGAAGCTATTAGGATCATCCCTGTGTTAGTCCACTGAGGCTACTATA

136839 ATTCCTTCTATAGTGGCCCCAAGGTCACTATGGACAAGGATGAGAGGGAGATTGAA
 AGAACATGGAAAAGGCCAGCAGCTTAACTGATCCAGCCCAGAGGTGACGTATCATT
 TACTCACACCTGTATGTGAGACCTAGTGGAAATGGCCCCCTAGAGCAAGGGGGATGAA
 AAGTGTAGTGTAACTGTGATCCAGGAGAGAAAAACACCCGTCAACTTTAAAGGC
 ATCATCTTAAGCAAGCAGTGTCAATTGGTAAAGTCCAATGCTAGACTGATCCTTATTTC
 [C, T]
 TTGTGGGTGACCCATTAAATCTATGGAAGCTATTAGGATCATCCCTGTGTTAGTCCAC
 TGAGGCTACTATAACAAAATCGATAGCCTGGTAGCTGATAAAACAACAGAAATTAAAA
 TTTCGGTGGCTGAGAAGTCTAACATCAAAGCACTGGCAAGTCAGAGTCTGGTGGGCC
 CACTTCTGGTTAGATGGCACCTTCAGCTGTGCTCCTACATGGCAGAAGGGCAGA
 GCCCTCTGGGTCTTTATGAGGGCACCAATCCATCCATGAGAATTCCACTCTCC

136964 ACACCCCTGTATGTGAGACCTAGTGGAAATGGCCCCCTAGAGCAAGGGGGATGAAAAGTG
 TAGTGTAACTGTGATCCAGGAGAGAAAAACACCCGTCAACTTTAAAGGCATCAT
 CTTAAGCAAGCAGTGTCAATTGGTAAAGTCCAATGCTAGACTGATCCTTATTCCCTGT
 GGGTGACCCATTAAATCTATGGAAGCTATTAGGATCATCCCTGTGTTAGTCCACTGAG
 GCTACTATAACAAAATCGATAGCCTGGTAGCTGATAAAACAACAGAAATTAAAATTC
 [A, G]
 GTGGCTGAGAAGTCTAACATCAAAGCACTGGCAAGTCAGAGTCTGGTGGGCCACTT
 TCTGGTCATAGATGGCACCTTCAGCTGTGCTCACATGGCAGAAGGGCAGAGGCC
 CTCTGGGTCTTTATGAGGGCACCAATCCATCCAGAGAATTCCACTCTCCGTGACC
 TAATCACCTCCAAAGGCCACATCCTAACATACCACATCACCTGGGGTTAAGATTCAAC
 ATATGAGTTGGGGGACACAGCATTGGGACAGAGCAATTCCATGAACCCCTTAAG

137136 TTCCTGTGGGTGACCCATTAAATCTATGGAAGCTATTAGGATCATCCCTGTGTTAGT
 CCACGTGGCTACTATAACAAAATCGATAGCCTGGTAGCTGATAAAACAACAGAAATT
 AAAATTTCGGTGGCTGAGAAGTCTAACATCAAAGCACTGGCAAGTCAGAGTCTGGTGAG
 GGCCCACCTCTGGTCATAGATGGCACCTTCAGCTGTGCTCACATGGCAGAAGGGG
 CAGAGGCCCTCTGGGTCTTTATGAGGGCACCAATCCATCCAGAGAATTCCACT
 [C, T]
 TCCTGACCTAACACCTCCAAAGGCCACATCCTAACATACCACATCACCTGGGGTTAAG
 ATTTCAACATATGAGTTGAGGGGACACAGCATTGGGACAGAGCAATTCCATGAAC
 CCTTTAAGGTTCTGAGAGTAGAAGCTGATTCACTCACTTATCTCAGTTCTATGCCTG
 GCACAAAACAGGGCGAGGATCAGAGTGGCAATTGAGGTGCGTGCCTCAACACAAGA
 CGCGTAGTTAAACAAATAATTAAATGCAATTAAATCAAATTAATGCAA

139365 CAAAGCTTCCATCCCCCTGCCCCAGGTCAACACTATGCACTCTCCAGTCAGCT
 GGCTGCAGGGAACAGCACCAAAATTCAACCACTTGCTTAAAGTGGAAAAGTGGCTCATCT
 GTCATTCACTCCCTTCCAAAGGCCACATCTCAATGCAGCTGGTTATGAGCTTGGAC
 TGTTCTCTCCTTGAGCAGATCTGCAACAGAGTCTGGCTCCATTGCACTCCCTGG
 CCAATGCAGGCCACGGCTTCAGAATTGGCGCATTGGGTCTCCAGCACACAGAGGAGA
 [C, A]
 TCTATCACCTGATGCCATTGGCCTTCAAAATCCGGCTCTGAGGGGTCTTCAAC
 CCTTACCTCCCTGCTTCCCTGGCTCTGGCCCTGGCCAAGTGAGACCAGCAGTCCC
 CTCTCAGACACATCTCTGTTACATGTCAGCTGCAATTGTTAGTCCAGCTGAGATGCACTG

ACTTCTGTGCGGTCAAGTCAGAAAGTAATTGTGGTTTGCAATTAAAGAGTAATTATACCT
 GCCTTTCAAATACTGCCCTCCTTAGGGCCTGGATTAAATGCTATTCTCAAGAAAGTT

141321 ATTTCTGCAGCAGCCCCGCTGAGGTCACTGTCTCCCTCCCAGCTGCCCTCCTTCAGTC
 GCAGTAGGGCGGCCAAGACACAAGTAACACAATCAGATCATAATTGCCACTTCTAA
 TGGCTTGTGGCTTCTGTAAGCTAGGAGACAACGTATCAGACAACCCCTGGCATCAGGG
 AGGGGAGAGGCCAGCCTCTGCAGGCCAGCGTGGAAACCTGGCTCTCACACCTT
 CACTCTGTCATGCCACTGAGCCTCTGTCCCAGGAATGCACTGGTGACACATAACACT
 [C, -]
 ACACACACACACACACACACACACACTCACATATACTCATTCTCACACATGCTCATATAAC
 ACCCTCATATACTCACACACTCATATACTCACATACACGCTACTCCCACACTCATACAC
 TCACACTCACACACATACACATACACACACACACACACATACATATTGACACATATAT
 ACACACACACTCTTACACTCACACATACACATGCAACACATACATACATATACTCATAACAA
 TCATACTCTCACATACACTCACACATGCTCACACACTCATACACTGTACATACATACATTG

141736 ATACACTCACTCTCACACACATACACATACACACACACACACACACACACACACATACATATTGAGAC
 ATATATACACACACACTCTTACACTCACACATACACATGCAACACATACATACATATACTC
 ATACAATCATACTCTCACATACACTCACACATGCTCACACACTCATACACTGTACATAT
 ACATTCACTCATACACATACACACACATACAGTCACTGTAACACTCACACACTCATATTG
 TCACACACACTCTCACACTTACACACACACACACACTCACACTGACACACACACACTCACAC
 [A, -, T]
 CTGACCCCTAGACTGCTCCTCAATTCTCAGGCCAGGCGTCTTCCCTGTGAAGCCTTCCCC
 AGCGTGTGGCTTAGGACTTATCTCAATTTCACACTGTCTTGCATCCATTGCTCTCT
 GTGCCCTGCCAGATTGTGAGCAGCCTGAGAGAGGGCAGGGCCTGCCCTGTTCACTTTG
 TACTCTGTCATGTGGAAAGGTCTATTATTACTCAGAGGGAAATTCAATAATGTTGA
 CGGGATACATGGTAGATGGGTGGATGGATGAACTTGAATGAATGAGTAACCCCTGAGGAT

142173 TGTGAGCAGCCTGAGAGAGGCAGGCCCTGCCCTGTTCACTTGTACTCCTGTCACTGTGG
 CAAAGGGCTATTATTACTCAGAGGGAAATTCAATAATGTTGACCGGATACTGGTAGA
 TGGGTGGATGGATGAACCTTGAAATGAATGAGTAACCCCTGAGGATTGGTAAATGTTCTTT
 TTTTTTTTTTGAGACAGAGTCTCGCTCTTCGCCAGGCCGACTGCAGTGGCGCTATC
 TCGGCTCACTGCAAGCTCCGCCCTGGGTTCACGCCATTCTCCTGCCCTCAGCCTCCC
 [A, G]
 TAGCTGGACTACAGGCCCTGCCACCGCACCCGCTAATTGGTATTAGAG
 ACGGGGTTTACCGTGTAGCCAGAATGGTCTGATCTCTGACCCATGATCTGCCCGC
 CTCGCCCTCCAAGTGTGGGATTACAGGCTTGAGCCACCGCACCTGCCGGTAAGTGT
 TCTTGTCCCAGGAATTCTCTACCTCAACTCCACTCAAATGAGAACCCCTGGGGAGAG
 AGAGATTGATGGATTGGCTCATCAGGGACTCTGTCCCCACCCCTGCCCTTCCCAT

142337 TGGTAAATGTTCTTTTTTTTGAGACAGAGTCTCGCTCTTCGCCAGGCCGG
 CTGCAGTGGCGCTATCTGGCTCACTGCAAGCTCCGCCCTGGGTTCACGCCATTCTCC
 TGCCTCAGCCTCCCGAATAGCTGGACTACAGGCCCTGCCACCGCACCCGCTAATT
 TTGTATTAGTAGAGACGGGTTCAACCGTGTAGCCAGAATGGTCTGATCTCTGA
 CCCCATGATGCCGCCCTGGCCTCCCAAAGTGTGGATTACAGGCTTGAGCCACCGC
 [G, T, A]
 CCTGGCGGTAAGTGTCTTGTCCCAGGAATTCTCTACCTCAACTCCACTCAAATGA
 GAACCCCTGGGAAGAGAGAGATTGATGGATTGGCTCATCAGGGACTCTGCCCCACCTG
 CCCCTCCTTCCCATATGGGAGCAGGATGTGGTAGAGAAACTGCTCAAGAAGTGGTA
 AACACTTGATGGCAGAGGCCATGCCCCTTCTCCACTCACACCAAGTGAGGGCA
 CAAATTATTCTTCCCCCTGCCCACTGCAGGAAATGTACAATCCTAACTTAATCTCT

142788 GTGGTGAGAAACTTGCTCAAGAAGTGGTAAACACTTTGATGGCAGGCCATGTCCC
 GTTCTTCCACTCACACCAAGTGAGGGCACAATTATTCTTCCCCCTGCCCACTGCA
 GGAAAATGTACAATCTAACCTAACTTAACTCTCCATAAGCACTGGAAGCTGTTGG
 GGATTAGAGGTCTGGCTCTACGATAAGCTAGCCACGATGTTGAGCCTCAACC
 ATCGATAAAATCACTTGAAATCCAGTATCCCTGTTAGAGTTGGTTCACTGCC
 ATGTTGCATGC[C, T]
 GCTTGTCAAGGTCTCATTAAGACTTCTTCCACCTAGACAGCACTGACCC
 GTCACTGCTCACACAGTCGCTGACCCAGGCCACCTGCAGCTGTGCTGCCACT
 CAACAGTCTGAGAGGAATGCTCCCTTACCAAGGACAGTGTGAGCAGTGG
 CCACGCCACTGTGCTCTCCATGTGTGGGAGTGGCTCCCCACCCCTGCCAGAG
 CAAGAAGTGTGTTCACTCCTGAACAACCACCGC

146349 TGATTAATCGTTAGGAGTGAAGTGGAGGCTCCAGAGTCACCCCTGCATCCTCCACATGT
 GCTACTTGGAGTCCACTTGAGTTGAATTGAATTCTGGGCCACAGAGTGTGAGTGTAAATGG
 GCTGAAAGATAATTAAGGTGTTCTACATCTGGAGTGAGAACAGAGCACGCATGTGC
 CCTGGCACCAAGGGACACAGAGCTGGCATATTCTCTAGGAATTCTCAGGGTGTGGGG
 AGAGGGAGGACCAAGCTCCCAGGCCCTGCCCCCAAGGGTATGAGTGCAGCCTGTGT
 [G, T]
 TGAGCACCTGGCCAGCTTCTGTTGAGAAGACATCATCTGGGGGCCAGAGGGACATC
 GGGGCATGTCACAGAACAGCTGTGCGCTCTTGCCCTCAGTGAGGACGTGGCTTGA
 GATCTGTGTCACCTTCTCTCCCCAATGCCCTCTGGACAGTGTGTGATGGACT
 CAGGTGAGGTAGATGGTTTGAAGCAGATGGCCCCACTTGCTGCCTGAGAACATTG
 TTACTTCTCATATCATGGCTGGCAGCAGGGCCTGTGCTGGCAGGACTCTCCTCTAAA

147030 TTTCTTATTAAACATCCTAGGTCTCGGTCTTTCTTTAAATGTGTTGGGGAGTAAA
 GTTCTCAAATGAAGATAACTTATGAGACTTATTACGCAGGCTGATCAAATGGCAGTATAA
 ATCATATAAATGGTATAAAATGCTTGTATGAATAGCAGAATAGTGAATAAGGATGAAG
 CATCCAACCCCTCTCCAAGGTCACTGGAGTAAAAAATATCTTATTGGCGCCCCAGATAT
 GTCCAGTCAGTCAGCAACAGAGCTAGCTGTAACTCCCTAGAATTCTTGCTAATT
 [G, T]
 GAGGGTTTGTGTTGTTGTTGTTAGGGAGTAAAAAATCAAATTGCAATTCTCAT
 CCCAGGATGTTCAAGGACAGATTACAGCAACAAACATTGGTGAACTAAAATGGGAGA
 TTGCACTGTAGAGTAGGATATGGAACAGAAAAATGTTAAAGCTCCAGTAAACTACCTA
 GAAATGTAATTAAAGTCCCTGCAAGAGGCCAAATGCCAAATGTGACAGTCACCCGT
 TCTTGAAGAACCACTCTGGAGGTATCAGTCTGTTATGACAGGGAGGATGGATGGAGG

147884 CCAAAACTTATTAAACCTTCAATGTTGCTAAAAACTACTTATACATACAATTAAATAC
 ATGGAATCCAATGTTATAAGAAAAATTGAGACTGAAAGGGAAATTGTTCTTTATTT
 CTCTGCTGGCGTAACCTGAAGGAAACAGATTTAATCTGAAAGAGGATGAGAAGTTAGCC
 TCAGAGCATGCAAGAGTTGGAAGGGCTTGAGGCCAGAGCTCAATTCAAGCCCTTGT
 CAAACGAGGAAACTGAGACTCAGAGAAATTGGTGTGTTGGCCAAAGTCACACAGCCAGC
 [A, G]
 GTGTGACTAGCATTCAAGGCCTGCCCTGACCCAGTGAATACTCCCTGTAGAAAGTTCAA
 AGAGACAATCAGATCCCTAGGTAGCGTTGGGCCACTGGAAAGTCAGTTTTTCAG
 TTTCACTATAAAACATGCCCTGTTACTTCTAAAACGGAGATGAGGCTGCGACTATTAG
 GCTTCTCTAGGAATAGGCCCTGGAGCTCATAGACAGAAAGAAAAGAAATGTGTTGTC
 GCGAGAACATGATAAGGTAAACTGAGCTGGAAACTGCAAAAGACCAGGAGCAG

148673 CGCACAAAGCAAGAATGAAGTAACATAAGCAGAGATGTACTGAAATGAAAGTACACTCC
 ACAGTGTGGAGCGGGCTGAGCATAGGGCTGAAGGGCCCGTTACAGAATTATGGGG
 GCTTAAATACCCCTAGAGGATTCCATTGGTACTGGTTACACCCCTATTAAATGAAG
 AGGATGAAGTAAAGTACAAAGTCATTACTGGCGTACACCCCTATGGGAGGATATTTC
 CTTCGTAGCTGAAGTGTGAATCAGCCTCATGTGTTCTGCCTCAGATCCTATTTC
 [T, C]
 ACCTCAAAGGAGGACCTGTGTCATGACAGGGGAGGGAGGTGTGGCATGATTCT
 TGCCTAGGGAAAGGGGAGGGTGGTAGACACACAGCTCACTAGTCCAGTGTGGATAAGCC
 AGAGTTCATAAAGATAACCCAAACTCAGCAGGCCACAGCATTCACTTCCAAAGCCTGA
 GTTGACGCTATGGTCTCCTGTTCCCATGAGAGAGGTAGCCTGGCCCCACAGCCTC
 TTCCCTCTCTGTGTCAGCCCATTGCCTCAGACTACAAACTGCTGGAGGACAAGGACTGT

149048 GGAGGGTGGTAGACACACAGCTCACTAGTCCAGTGTGGATAAGCCAGAGTTCATCAAAG
 ATAACCCAAAACCTCAGGCCACAGCATTCACTTCCAAAGCCTGAGTGTGACGCTATGG
 TCTCCTGTTCTCCCATGAGAGAGGTAGCCTGGGCCACAGCCTCTTCCTCTGTG
 TGACCCCATGCCCTCAGACTACAAACTGCTGGAGGACAAGGACTGTGTTGGTTGC
 TTTGTTGTTAATTCTCCACAGTCTCCTCTGCAGATGTTGATAATATCTGCTAATTGAAT
 [A, T]
 TTTAATTACTCAACTCAAGGTAGATTTTGAGAGCAAACAAATTAAAAACATT
 ATTGACACTTGAGTTCTAAATAAGGGTTTTTTAACCTGGAATTAAAAAA
 AATCTAATCCTCGTCATATTAAATTGCTAAATACTGAGTGACTCTGGTATGCTATT
 ATTCCACATGCAGACTCTCATGGGTGGCTGATGGGGCTTCCCTCCACTGCTTT
 GGAGGAAGGGCTGCCCTGCACGGACCCAGGGTGGAAAGGAAAGCAGTCAGGGAA

151229 CATCAGTGCAGAACATGACACAGGCAGCTGAGAAGCGTTGATGGCCCCGCTGCCTGGCTG
 GCTAACATGAAACTGACAATTCTAAGAGGCTCTTCACAGCTACTCGCATCCCTCA
 GGGCTCACAGCATTCAAAGGAAAGGATTGGATAAAGGAGGAAAGCAGCAGAAGTGGAA

AGGACACAGATTCAAACATTCTGTTCACATTGGCTACAGAGTTTGTGCGGGGA
 AAGGGGTGAGTCTATGCATACCAGGTACCACCCACCTGTGCTCCAGAAGGCCGTGAT
 [A, G].
 TCCTGCCAGTTGCTGAAATCTATAAAATGTCAGGCCAGGTAGCAGCAGGGTGAAAGGCT
 GGAAGCAGGCCAGCAAAGGAAAGGTTAACGTGCGATGCTGTTGCAGTCCATGGCATGT
 GGCATCTTGCAACAACCAGGCCATTGCAACCGAGTTAAAATTCCCCTGCAGCCACAGGG
 AGGGAATAGATAAATCATGAATGAATTGAAATTATATTCCCTCTTAGCTTCTTT
 TTCTCTCTTTTTTTCTATCTCCCCACTCCAGGAAAATGTTACAGAAA

151848
 CACCCAGTGCATTAGCTCCATCTTGTGCTAGGGTCAGAGGAATGGAATCTCACCAAGTCA
 TATTCATGAGGTCTTCAGCAAGTTCCTGTACTGTGAGAGATCTGAAGGGCAAAATT
 CAAAAAGTCAAGCAGGGCACAAATGGACCAGAGGTAGGAAGCAGACAGGTTCTGGGCA
 TCCTCTGGTGCAGCCAGGCTGTGTCCTCAGCTCTCAACTCAGAACCAATT
 GTCACAGATAGTGGGGCTCGTTCTATGCTGGGCAAAACCATAGTGAAGAAAATTGC
 [A, T]
 TGCTTATGTGGTGTGTTACTTGTGCTTCAGGGTTTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTTAAGTACAACCTTGTATGATGTCCTGACCAAGTCTCAGAAA
 AAAAGGAAAGAAAGAAAGCTTCATACTATTGGTCTAACCCAAAGTGCCAGTGACCACC
 AAGGGCTGTGGCCTCAGCAGGGAAAGCCTGTGTCGGTCTGAAGGCAGTGTAGGCAG
 CAGGCAGAGAATCAGCTGGTTTCCCCCTCCCTAACGCTGGACTAATGCGTAAGCTACACT

152415
 CCTCCCTAACGCTGGACTAATGCGTAAGCTACACTGAAGAAAGGGGAGGGTGACCATCCCC
 CAAAGCAGGGCTCACTAGCCAAGTGTGTAACCCAGAGCACATCAAAGCTAAAGCAAAA
 GTAGAAGCCAAGCTATCACAAGGCCAAGTGGCGTCCAGTCCGAGCATGGCCACTTG
 TTGTCAGGACGGCCAGCTTCACAGCCAGTGGCTTCATCTCCACCCACCAAGGAGGTT
 GGGCTAGGGTGTGTTGATGTGCAATGTGAGTCAGTGAATGATGTGCTGCAGAAATCAGA
 [A, G]
 ATACAGAAGGGACCTGAGGAGCTCCCTCAAGAGTCCCTGGGTCTTAATATAACCAGGAC
 ATTATGCCAAAAGACTGATCCACATGGCTGAGGCTTTACAGGAAATACCTGCAATTG
 TAAGTTACTATCCCCAGAACGCCCTCCCTGCCTACACGTAGCAAGTAGAACTTGTGA
 TGACAAGACACTACGAGAGCTGGGAAACCTAGAAGTATTGCGACTGTCAAGCCTCCAGG
 AGCCTCCCTGTGGGTTAGAGGAGCATGCAACTTGTGGGTCTAGGGAGCTAGCCCAGGCTG

152539
 AAGCCAAAGCTATCACAAGGCCAAGTGGCGTCCAGTCCGAGCATGGCCACTTGTGTTG
 CTCAGGACGCCAGCTTCACAGCCAGTGGCTCATCTCCACCCACCAGGAGGTTGGC
 TAGGGTGTGTTGATGTGCAATGTGAGTCAGTGAATGATGTGCTGCAGAAATCAGAAATA
 CAGAAGGCCCTGAGGAGCTCCCTCAAGAGTCCCTGGGTCTTAATATAACCAGGACATT
 ATGCCAAAAGACTGATCCACATGGCTGAGGCTTTACAGGAAATACCTGCAATTGCTAA
 [C, G]
 TTACTATCCCCAGAACGCCCTCCCTGCCTACACGTAGCAAGTAGAACTTGTGATGAC
 AAGACACTACGAGAGCTGGGAAACCTAGAAGTATTGCGACTGTCAAGCCTCCAGGAGCC
 TCCCTGTGGGTTAGAGGAGCATGCAACTTGTGGCTAGCCCAGGCTGGAGG
 CATTCCCTCCCTGGCAAGGGAGCAGGAGGCCAGCACAGGTTGCAAGAGTCCATGTCCTC
 AGGCTGTGGTGGAGTGTGGGACCCAGGCCAGGAGTCTTGTCAATAATTGTCACCAA

153191
 TGCTCTGAAGCCTCCTGAATATGGTCTTGAGCTGACATAAAACTCCCTGGGATTT
 CTCCTTTCTCTCCATCTAGACATTCTCTTTGCAAGGCCTTTCAAGACCCCTCT
 TGTCAGCTTCAGCTGGCTAAGTCTGCATGCCCTGGCTTCTAGCAGGTATTGAAACG
 CAATCAATGTATGTTAGAAATGTAATCAATGAGGTACACATATATATATGCTTAA
 AAAACAAATTATTTATCTTGTGTTATCGGTAGTGTCAATGTTACCTTC
 [A, G]
 CCCAGAAGTTACTATGCCAGAAATGCTCTCATTCAATTCTGGGTTAGCGTTCTTG
 CCTATTATTTCTGGGAAATAAAACCTCTCAAGATAATTGCCAGCATTTCATAG
 GATGAGTTGTCCTTTCTAAAGCAGGAAGGCTAGGAAGTACCAAGAAGAGGAGCCTGG
 GTAGATGAAGGAATAAAGAGGAGGAAATCTAAACATGGGAGATTACTGAATGTGCCATG
 TGCAACCTCCCTCTCCACTCTTCCTCAACTCAACCACAAACCTCCAAGGCAGGGCCA

153232
 AAACCTCCCTGGGATTTCTTCTTCTCCATCTAGACATTCTTTGCAGGCC
 TCTTCAAGACCCCTCTTGTCAAGCTCAGCTGGCTAAGTCTGCATGCCCTGGGCTTCT
 TAGCAGGTATTGAAAACGCAATCAATGTATGTTAAGAAATGTAATCAATGAGGTACACA
 TATATATATATGCTTAAAAACAAATTATTTATCTTGTGTTATCGGTAGCA
 GTTGCAATGTTTACCTCACCCAGAAGTTACTATGCCAGAAATGCTCTCATTCT
 [A, T]

TGGGTTCAAGCAGTTCCTGCCTATTATTTCTGGAAATAAAAATACCTCTCAAGATAA
 TTGCCAGCATTTCATAGGATGAGTTGCTCTTTCTAAAGCAGGAAGGCTAGGAAGT
 ACCAAGAAGAGGAGCCGGTAGATGAAGGAATAAGAGGAGGAATCTAAACATGGGA
 GATTACTGAATGTGCCATGTGCACCTCTCCACTCTTCCACTCAACCACAAA
 CCTCCAAGGCAGGGGCCACGTCTCCATCTCACCTCCCTTTAGTATGGAGC

153817
 TCCTTTAGTATGGAGCCTGACACTCATGCCCTCATTTAACCAACCCATGTTGAGTGAGGG
 CTACTCTGCCAACAGTACTGGGCTGGAGTGGGGCACCGAGTCACAAAGACAAGGCCCTG
 CCCTCAAGGCATCTCAGTTGTAGGAGATGTCAACAGAGAAAATCTAAAATGAAA
 TGCCATGAGGAGACCCCTGTGATAGGAGAGAATGCTTAGGAGCCCACACATCTGGGT
 CTCAGAAATTGCAGGCCCTGGTCTGGTGAGGGACCACCCCCACAGAAAAGAAAAAG
 [A, T]
 GCCTCAAGCCCCAGAGGGTACTGGCAAACCTTGTGTTGATTCAAGAACAGACAAATT
 TAGGTCAACAGAATGGGGTGGCTTATCACAGAGCAGGGCAGCCATCGTACTCGCG
 CTCGGCTGCCATGAATTCCCTCAATGTTCCAGCTAACGTGTGATTCCATGGTGAG
 AGAAAATGCCGCTTGAGGGCAGAGAATTTTCTTGACAAATAGTTCTATGTCC
 AGGCAGCCATCTGCCACCTCTGTGAGCTTGTGAGATCCAGGACTGCTGCTGAAGGTTCA

156544
 AATACCTTGTGCCCTTAAAAAAATTCAGTTGTTGGTTGGTACTTGAGAGATATGAGC
 AAAGGATGATAACAACAAGAATAGTCTATATCTCTTAGACATGCTCTCCCCAGGTAAATC
 AGAAAAGCAAGAGTGCACACTCTGCCATGCAGCTAGAGTTTATATTCCAATGGGAGTG
 AGGCCAGGCAGCCAGCTCTCCTCCTGGCAAGGCTCTCGCAAGTGGGAGGGCT
 CCACTCTGTGCCAACAGCCTGCTGTGAGGACTCCACGGCAGCCCCAGATACTCTG
 [T, C]
 AGGTCTATCTCCCCAGCCAGGTGTTGGCTCCTGGGGAAAGAGGGACCATCTTTGTAT
 CTGCATCTACAGTGCCTGACAGGGAAAGCATTAGGAGGCAGGCAGACAGCAGGACAAATGG
 CTCTCTCTCTTGGCTGTGCCACCTGGTGCCTATAGCTCATGCCAATCTCGATGC
 TCTCTCCCTGGTGGAGAGGTACAGCAAATCCGTTGCCAGACAAACAGAAATATTCAAT
 TCTCCGCCAACATTGAACAATTCTGTTCTCAAATGCCCTAGGAGCCTTGAGAA

156579
 GGTTGGTACTTGAGAGATATGAGCAAAGGATGATAACAAGAATAGTCTATATCTTCT
 TAGACATGCTCTCCCCAGGTAAATCAGAAAGGCAAGAGTGCACACTCTGCCATGCAGCTAG
 AGTTTTATATTCCAATGGGAGTGAGGAGGCTCCATCCTCTGTGCCAACAGCCTGCTGTGAA
 GCTCTCTGCCAAGTTGGGAGGGCTCCATCCTCTGTGCCAACAGCCTGCTGTGAA
 CTCCACGGCAGCCCCAGATACTCTGTAGGTCTATCTCCCAGGCCAGGTGTGGCTCTGG
 [A, G]
 GGAAGAGGGACCATCTTTGTATCTGCATCTACAGTGCCTGACAGGGAAAGCATTAGGA
 GGCAGGCAGACAGCAGGACAAATGGCTCTCTCTTGGCTGTGCCACCTGGTGC
 TATAGCTCATGCCAATCTCGATGCTCTCCCTGGTGGAGAGGTACAGCAAATCCGT
 TGCCAGACAAACAGAAATATTCAATTCTCCGCCAACATTGAACAATTCTGTTCTCT
 CAAATGCCCTAGGAGCCTGGAGAAGTCCCTGCCCTCCCCCAGGCCCTAGTTCTCAT

157391
 CTCAGCTCACTGCAACCTCCCCCTGGTCAAGCGATCTCTGCCCTCAGCTGCCA
 AGTAGCTGCCATTACAGGTGCCTGCCACCATGCCAGCTAATTTTTTTAGTAGA
 GACAGAGTTGGCATGTTGGCCAGGCTGATCTGAACCTCTGACCTCAGTAATCCGA
 CGCCTCTGCCCTCCAAAGTGCCTGGATTACAGGCATGCCACCGTGCCTGCCAACATT
 CTCAAACCTCTTCTGTAAACAGCAGGCCCTCAGAAGGCTCTGATGGAAGGGAAAC
 [A, C]
 GTGACCCCTGCCAATGCAGGTGAAACAAATCAATGTTGCAAGGCTGCCCTGCCCTAAAT
 CAATTCAACCTGCCCTCTAGGGACTTGCCTAACTGGGAAAGAGGCTCCCTCTCCGAGT
 TACTTAGGCCAGATCTAACCTCCATCTTGGTTCTCCCTCCATTCTCTCCT
 CTCCAGTCCCTCTTCTTCCCTCCATCATGCCCTCCCTCTGTCCCTGTCTC
 CCTCCACTCACCCATTCCCCCTCCAGGGTGAAGAGTCTGGCTACCTGGGAACACCTGGG

158718
 TGGGCTGTTTCTGGCATGGAGATGGAGGAAAGACTAGTATTGTTGGTGGAG
 GAACCTAAGTAAAGCTCTAGCAAAAAGAATTCTTCAAAGCCAGCTGTAAGTGGCTAT
 TCCAAAGCCACTTGTACAGGGCTGCCAACACAAAAGCCCTTCACATTCTGAAGCAA
 CTTGACCTAACCCAGAAAGAGAAGGCCCTGGATTGTAACCTCTGCTAGACAACGTGACCA
 GTGTGTCCCCAGTAAAGGCCAGTGGGACCCCAAGAGCAGAGGCTGGGATCAATTCT
 [A, G]
 TAGATTCTTTGCTCAGGATGAAATCCAATTGCCCTCATTCTATTCTTTAAAAAAAT
 TCCCTGCTTGCCTAAACTTAAAGACCCGCAGGGAAAATGAATTGCAAGTGGTGTG
 GAAGGGAGAGGAAAGAGCGCACCAACAGGGAACACCCGCCATCTCAGACAGAAGTCTG

GGAAC TGCT GTGAT GGAC CT TGAA AACAC GGGAGGAC GCAG ACCT CACCCCTCACCTCGG
 ACCCGCCTGGGTGGTGCCTGAGGAAGGCTCTCCCTGTAATCGCCCTTCAGTCACT

160186 TGAAGCCGCACTGTCGACCTGGGAGCTGTCAGCGACCTCTCAACCTCAGTCTCTGTC
 TCGAGAGTGGGACGTAGTGTCTCCAATGGTGTATGGT GAGGAAGCAGTGACAGTGAG
 CTGAGCTCTGACAGAGGCCAAGTGCCCCTACTGTCAGGCCCCGGAGCAGGGAAACACCTGACATCATGTGCT
 AACTCTGTGTGCCCTACTGTGAGGCCCCGGAGCAGGGAAACACCTGACATCATGTGCT
 CTGAGGGAAACGCATTGAAAAGCCAAGGGTGGCACCTGGAAGGGATGGTTACAAAGAGCC
 [A, G]
 TCCACACACCTGCACTCTGGCTGTGCCACTGGCAGCATA CGGGGGCCCCCTGTTCTC
 TCCTTCAGACGGTGTGGTGCTGGGCTGGTGTATCCTGAGCCACTGAGGACGGTCCCT
 GGGCCTGTGAAAATAGAGGTGCAAGGAGAAGTCTAGAACGCATGACTGTGACTACAGAG
 TGAACAGAAACCATTGGCAGGGCACCCCTGGGAGGGAGCAGCATA TGGTTCAGCAG
 GGGCAAATTAAACGGAATGTTATCTCCCTACTTATGATCACTGTTACTGATAGTGC

161108 GGCCAAGGCAGACAGATCACTTGAGGTCAGGAGTTCAAGACCAGCCTGGCAACATGGCG
 AAACCCCTGTCTCTACTAAAAATACAAAAATTAGTTGAATGTGGTGGGGCACCTGTAGT
 CCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCACTGAAACCAGGAGACGGAGGGTGC
 GTGAGCTGAGATTGCCACTGCATTCCAGGCTGGGTGACAGAGTGGAGACTCAGTCTCAA
 AAAAAAAGAGAAGAAAAAGAAATTATAATCCCACATACATGGTTGCTTATCATGTGTTTC
 [G, T]
 GTGAAC TTTATGGAATTCAGAGCTGCAGGAACCAGACCTACCATCTTATGAAGCGGGTCAT
 TCTTCTGATCTGCCAGCCAGGTGCTCTC AAAAGCACAGGATTGGAAATTCTGGGAG
 ATGCATCAGGTACTATTCGATTCACTAGATAAAAGTTGGCCTTAAGAAAAGATAGAAT
 AGTAGAGTGGTTAAAGGGTGGACTGGGACATCAGGTGACCTGGCTGGACACTTGGCCA
 TATAGAGGCTTGGACAGGTGGTGCACACTCTGTGCCTTGACTTCCCCTGTCACAC

162060 GGATGAGTGGAGCCACAGAGCTGGGAGGACCGGGAGAGGGCTGGAACCTGGATCCACC
 ATCAGAAAGAGGGAGCAGCGGTGTGCAGACATGCTCTTCTAGGGGCTGTGCTGAAACAGG
 AACCTTTGCTGTAGACTTTGGGAGGGGCTGGCTGTGGAAATCGGCTGCTGAAAGAG
 GACCGGCTCTGATTCCCACCTGGGAGGGCCCGGGAGGGAGGAGCAGGCTGTGTTCC
 AGGCAGGCTCTCTGATAGTTGGTAGGAACCACTCGAAAGAGAACACTTGGAGGAGTGG
 [C, G]
 GGGAGTGCCAGTGTCA CAGAAGTGGAGCAGAAGAGAGGCCCCACAGTGTGAAACAGGTAG
 CCAGCAGAACCCACTAGTGGACGAGAGCGTGAGGGGTTGTGTTTAAGACAGAGTCTC
 GCTCTGTTGAGCACAGTGGCATGGTCATCTGGCTCACTGCAGCCTCCACCTCCTGG
 ATT CAGGGCATTCTCCTGCCACTGGCTCAGGCTCCAAAGTAGCTGGGATTACAGGTGCCAGC
 ACGCCCGGCTAATT TGTGTTTAGAGAGACAGGGTTCGCCATGTTGCCAGGCTG

165993 TTGCTTGAAGAAGGTATGGTGTGTACTTGGATACGATGAAAATGAAACAGATAGATC
 AGGTATAAAAGTCTAGAGATGCTAATGGTGTGGTCAGTTGTATAATGCAGGCTTGCA
 CTGAGTGGTTTTGTTGCTGACTCCAAAAGCTGATTGAGCCTCTATGACTCAGGAGA
 AGGGAGGACATGAAATTAGGGTCTGTGACCCAGGGGCTACACACAGATGCTCCA
 TATTTTAATTCTCACTTCTACCAAGGGCTCAAGATTATGTACCACTGCGTGAGCATT
 [A, T]
 AAAAACTAAATAAAAGAATGACACCAGTCTATATTATATTGGTTTGCTGAACATGCTT
 TATTGACTCTGGTCAAAAAGGATGAGGATT TTTCTCTTAACCTTGATGAATAGT
 AGATAAAAAGCATCAACATCACATCTCAAGAAAAGCTGCAGAAGAGAAGGCTCAATAAAA
 ATGGATCTGACTCCATGCAAGCATAGCTCTATTAGCATCTTCAATTCTAATGACTTAAT
 GCCAGATACCACAACTATAACAATTAGCAACAAAGAGAAGTTATTGGAGCTGAAAGGG

166679 GGCACGGACATGTAGGATTTAACCACTGAGTAGTTATCCTTAGCCAATTAGCCATTGGA
 AGGTGATTGCCACCTCAGATAATCAGTGTGAGACCTTGTGATGGAGACTCATCCTCACTCC
 TCCTGGAGGATGCTGTGGCCCTGCCTTGACCTGCGATGTGAGAATTATTGACAGC
 TCAAATCCACAGAATGGGATTCGCCATGTGACAGGGGCTGCTCCCTACAGCCCAGCTTC
 TCACCATGTGGTACAATGCCAGCAACTCACTGGTGTGGCAGCATGGCCACCCATA
 [C, T]
 CAATT CAGAGGCATGAAAAGAGCTCCACCACTGAAACATCCACTTGTCCAGGCCCTGCCA
 GCCTGGACTAAAATCCATGCAAGAGAGAAGCTGGGCTTGCCAGGTAGCCAGTCATTACT
 GTGTGAAGCTACCATGTGGAGCAGTGTGCGGAGCAGTGTGCAAGGCGACCCCTGCTGCACTGGAGCAGTCCTG
 TGGGAGGGAGTGGGCTCTGGTGGCAACATTGCTGGAGTGGGAAATCTGAGTTCTAGT
 CCTGACCTTGCCACCAGCCATCTCTAGGGCCTCATGGAAGTGACTCAATTCCCTGGACT

167136 CCCTGCTGCACTGGAGCATGCCGTGGGAGGTGGGCTCTGGTGGCAACATTGCTGGA
 GTGGGAAATCTGAGTCTCTAGTCCTGACCTGCCACCAGCATCTCTAGGGCCTCATG
 GAAGTGACTCAATTCCCTGGACTTTCCGGGGTTCACTAGGCCCTGCTATCACTGCTT
 GCCTCAGGCCCTCCAAGCAGGTGGCCCTCCCTTGTCTGCTCCGTGCTGGTGGATTTC
 CACTTGATCCCTCTGTCACTGTGATGGGTGAGGGCTGGAGGCACAGTTGCCTATCTGC
 [T, A]
 CTAACGTTCTGGCCACTGTAGCAGATACTGGCACTGCTCTCATGGTACACAC
 TGAAGGCATCTTGCACACTCTGTCTCCCCTCGGGGTGCTACCAGGATGCAGGGGCAT
 GTCTGGTCACTGCACAGGGCAAGCAGGTGCTGGGAGTCATGTGTCAGGAGTAGCC
 TTCAACCAACAATGAGCAAGGTGCTGGATAAGTACCACTGCAACCCCTCAGGTGCA
 GGAAGGCATCCTGCCCATCTCCAGGTGCTTCTGGCAGGCTTAATCCCAGCTGCCA

 173782 TACAATTAGAGACATGGTGATATATTGATGACATAAAATCTTAAGCTTCTGTATATC
 ATAAGGCAAATGAAAACGGGAAAAATAGTGGAGTTATGAATGACTTACTATAGAA
 AGAGCTCTAGTAATCAATAAAAGATGACCATCCACATAGAAAAGTTGTGAAGAAC
 TGAACAGAGGGCACACACACACAGACATTACATCCATCCACAAATAACATCATT
 TAAATATTAGATTCTGAACCTTCTAATAATCAAATAAGGCAAATTAAAAGCTTAAAC
 [T, -, A]
 ATATATTTGGCCATGAAATCAGCAATTAAATGATAAAATTCACTGTTAGCAAGGAT
 AGAGTGAAGGGGACTCTCAAATGTAGCCAATGAAAATATAAAATGGCACCAACTCTGT
 GCCAGTAATTGGCAGTACTTATTATTAAAGTCTCTTTAAACATGCTTGTGATTCACT
 AATTCCACTCAGGCAATTATCACAAGGAAAAAAATCAGAGATTGCCAAAGATTATG
 TTCAGGGATTTACTGTAGCTTGTCAAAGCAGAAGTTGGAAAGCAGCCAAAT

 176290 GCCCAATAATAATTGTAATAAGTTAAAGGAGAAGTAATATTCCCCATTACTGAG
 CACTCACTGTGCGCTCACCTGGCTCAAGTCTCATAGCAGCTGAACCTTAATTCTCAC
 ACCACCCCCACAAGGTAGGTTGGCAGAAGGGAGCCTGAGAAATTAGGTACTACAAATCT
 CTCGTGCAGTGCATGTCTATTGAAAGTTATTCTTGCAGGTTATTGTCTGATGTTC
 ATGGCATTGGTAGATATTGTGGAGGGCAGAAATGTCATTATGAAGAGAATTCTCTC
 [T, C]
 ATTAGCTAATGTTAGAGAGGCATTGTGACATACAAAAGACCATTGGCCTGGACTTGT
 CACATCTGGATTCCAATTACCTCCTTCACTAACCTGTGTAACCTCAACAAATCACAA
 CCTCTCTGAGCCTCTGTTCTAATCTATTTTAAAGATAATGAAACAGTCTTGCC
 CTGCTGAATGGAGGTATGTGAAGTGAATGACAGAACAGATGTGATGACAACCTATA
 CTTACACCCCTCTGTCTTACTGAATTGTTATTAACTCTCAACTGAGGTAGGTCCATCAGT

 181889 TGAGGAATGTTGGGTATTCAGGTTGATAAAACAAAATTCTCTGGCGTTGGCA
 TTTGAGAGACGGAACACTGAGAACATAAGACATGCTGAGATTAGGTTGTTAGAACCT
 GAAATCTCAGCTTACTCCTCCCAGAACCTGTGCTGACTTCGGAAAAAGGAAACATTAA
 GCCTGGTTGGGCTGGATTGCACTAGCAGTGGTGTGCTAAACTAAAGAAGGAAACT
 GGAGCTCTATCAGTCATTAAAGCAGAACCTGGCTACTGTCTCCCTGGAAATAAC
 [A, G]
 GGACTGAGGCTTGTGCTCCAGCCAGAGATTGCTCCTCCATAGCCCCCATTGCCACCGCT
 TCTACTACTTTGCCCTCACTCCCCAGCCACCCAGTGTGATCACCCTGCCAGATGACAA
 TGCCGGCATTGATCATTCCCAACCCACGGTACAGTTCACTGCTCTGCTAAATTGG
 CCATGAGAGCTCCATTAGGGATCAGAAATTGTTAGTCTCTCTTAATGATCTGTCT
 GGAGACCAACTTCATGACATTCTCAATTAGGGAGTGCAGGGCAGGGCAGCGCTAT

 182606 ACCTCCCCAGACTCCGGCTATCCTTGTGCTCCCTGTGCTCCCTCATGGCAAAGACTT
 TCCTTGGTCAAGGCTTGAAGGACAACACTCTGTCTTGTCTAGCACACTCTGTGCTTAA
 AAATTCTAATGGAAAGATGACTCTTGTGAGATCAAAGGCACACTCTCAGGGATGTT
 GGGGCAATGAGGAAGGTGAAAGCTACAGAGGAAGTCAAGACTGGTCCACTCCAGCTCC
 CATATGTGAAAGAGAGAACCAAGGCCAAGAGAGAAGGGTCTGCTCAGGGGGTCC
 [C, T]
 CAGCACTAGACAGGAAGACTAGAGCCCCCACGTCTTCTGCTTCCCTCTCCTCACC
 CTAACCTCAAATGCAGGCTTCTTATCCTATGTCCTGTTCTCCCTTGGACCCAGCCAGC
 TTCTGGATTCTCCGCCACTGGCTATCGTCACTGGACAAACCACACGGCTACACTT
 GACAGCCAGAAACTGGATCATAAGCTTGTGAGGGCAGGATCCTATCTCCCTTATTCTGT
 CTGTGTCCAGGACCTAGCATTCAACCCACAGTAGGAACACAGAATTATCAATGAGTGA

 184663 AGAATCACTCAGCAAACGCTTGGATGTGCACTGACTTGAACGGCTAGAAAGTTCAAGGG
 CACCACTGCCCTGGAGCTGCTGCATGACTCGGGCTGAGGTGCCCCCTGAAATCTGGG
 GACAGGCACTTCTCTGCTGGCTCAGACAGAATGTGGTCTCCCCACAGGGAGGCCAGTC

CGATTCTGCAGAGCCGGCTCGGCCCTGCTGGTCTGC GGTCGCCCTTGCCCTCGTGCAC
 ACAGCGACACCTGGTGTAAAGCTGGTAACCGCCGGACCCAGCGCTGTTCTCAGCTC
 [C, T]
 ATGCTGGGCTCCAGCTACGTGCCTGTGCACCGAGGGACTTGTCTGGCACGTGCAC
 ACCCAGTCTGTGCACCACCGAGTACTCCGTGTGACAAAGTTACTCAGTTATGTATG
 TCTTCTTCTGCTCTGTGCAGAGAGCAGTCCCCTGGCCTCAGTCATGAGTCATTGTCTG
 TACTCATTCTCAGAGGGGAAGAAAATGAGCTGTTCTAACTACGTCTATGTCACCACCC
 CGATCGCCATCCTACTGCCATCAACCACCACATCCCTGCCGTACCACTACCATTGCC

185392 CTCCTCACATAGCAGCAGAATTGGCAGCCCTGCCGCTGAGGTTCCAGGAGGGAGGCTG
 AGGGCCTCTTCCACAGAGAGTGTGAAAGGCTTGGAAAGGAGGGCAGGAAGGACCCA
 AGAGAGCAAGGCAGAGGGAGGATGGGCTTCTCAGCTCTAGCTGGCAGACAGGACAGC
 ACCAGGTACCGCCTGGATGCATTAGACTGAAGTTCTGCTGATGTCACGAATGCTGG
 AAATGTCCAAGACCCAGTCAGGACTGCGCCCATCCAGGTGAGCAGTGCAGAGCAGT
 [C, T].
 AAAAGGGGCCAGGAAACAAGCCGCCATTCACTCGTCAGTCCAAGAACAAAGCCAGCG
 GCCAGCTCCAACCTGTGTGACAGAAATACCAGGGATCTTCTTTCTTCCATTTC
 CCCAGGCAGCACTGTACAAATGAAACTTCAAAGACTAGAGCTGGCGTTAGGCCTG
 CACAGCACTGACCTGTTCTGTTCTAGCTCATTCTCTCAGAACAGAACAGAAAGCCTC
 ATTCAATCAGAACAACTCACTCAGCCCAGAGGGCTGGGTGTTCTAAGACATTACA

186612 AAAGAACATAGATCATATCGTACCAACTCTCTGCTTAAATCCACCAAGTGGCTTACT
 ACACCTAGGACACAGCCAGAGCTCCCCACCCAGCCCTGCTGCTGTCCCCAACTCGCCT
 CTAACCCCATTTGCCACGTCCTTCTCTCCTCATCCCAATCATCCTCTGCTC
 TTCCTGAAAACATCAAATTCACTCCCACCCGAGGGACTTGGCACTCGGTCTGGACTCTG
 ATCCCTTCAGCTGTTCCCTCACTCCATGCTGAAAGGCTGCCCTCCAAGAACCCCTC
 [T, C]
 CTGACCACCTTATCTAAATATCCCTGTCCTCACTCCTCATCTCCTTTTAGTTTC
 TTTTCTTCTCATGGTACTTATCACTCCCGCCTGCTCTCCTCACTCAAATAAGCTCCAT
 AAAGGCAGGGATTGGTATTTGTTACTGCTATATCTCTAGCACTAGAACATGGC
 CTGGCACACACTCAATAGGTATCTGAATGAATGAATGAATGAGTGAACAGCTGATGCC
 CACCCAAAGCAGCTGCTGCCAATTTGTGTCCTATGGCTGTCATTCAAGGTGGCGGG

187014 ACTCAAATATAAGCTCCATAAGGCAGGGATTGGTATGTTGTCAGTGTATATCT
 CTAGCACTTAAATATGGCCTGGCACACACTCAATAGGTATCTGAATGAATGAATG
 ATGAGGTGAGCATGATGCCACCCAAAGCAGCTGCTGCCAATCTTGTGCTATGGC
 TGTCATTCAAGGTGGGGATGGGCTACTGTTATCTCTGAGAGCAGCACTTAGAGA
 TCATTTCTGAAGACAGCACATAAGGCCTGGAAATGGCTCCCCCTCCTGGACAGCTTGC
 [C, T]
 AGTGTACCCACCGTGTAGGCAATGCCACCCCGTGGAAATGCACACCAAGGGCAAGCG
 AAAGAGCTCAGCGAATGGGGAAACTCTTATCCATATGCTCAGTGTGGCTGGATC
 ATGCAAGGGAAAGTATACAGACAGCAGGGAGTCCCCGACAGTGGCTGTAGCCAG
 AACTGGCCACATAATTGTAGGACCACTGCAAGGCAAATGTAGAGCCTCAGCTAGGG
 GTTCTTGGGCCACTGCCAACCTCTACAGACAGAACATCCAACAGCTTGCAC

187090 GGCCTGGCACACACTCAATAGGTATCTGAATGAATGAATGAATGAGTGAACAG
 GCCCACCCAAAGCAGCTGCTGCCAATCTTGTGCTATGGCTGTCATTCAAGGTGGC
 GGGATGGGCTCACTTGTATCTCTGAGAGCAGCACTTAGAGATCATTCTGAAGACAG
 CACATAAGGCCTGGAAATGGCTCCCCCTCCTGGACAGCTTGCAGTGTGTTACCCACCGT
 TAGGGCAATGCCACCCCGTGGAAATGCACACCAAGGGCAAGCGAAGAGCTCAGCGAAT
 [G, -]
 GGGAAACTCTTATCCATATGCTCAGCTGTCGGGCTGGGATCATGCAAGGGAAAGTAT
 ACAGACAGCAGGCAGGGAGTCCCCGACAGTGGCTGTAGCCAGAACTGGCCACATAATT
 TGTAGGACCACTGCAAGGCAAATGTAGAGCCTCAGCTAGGGTTCTTGGCCA
 CTGCCCAACCTCTACAGACAGAACATCCAACAGCTTGCACCCCTGTACCGAGATGT
 GTTCAAACCTGACTTGAAGGTGAGCAAGAGGCCACTGTATGCACCATGGTGTATCAG

187290 GCTCCCCCTCTGGACCAGCTGCCAGTGTACCCACCGTTAGGGCAATGCCACCCGT
 GGAATGCACACCACAAGGGCAAGCGAAGAGCTCAGCGAATGGGGAAACTCTTATCCAT
 ATGCTCAGCTGTCGGGCTGGGATCATGCAAGGGAAAGTATACAGACAGCAGGCAGGG
 GTCCCCGACAGTGGCTGTAGCCAGAACTGGCCACATAATTGTAGGACCCACTGCAGAA
 GCACAAATGTAGAGCCTCAGCTAGGGTTCTTGGGCCACTGCCAACCTCTACAGA
 [C, G]

AGACAACATCCAACAGCTTGCACCCCTGTACCAGGATGTTCAAAACCTGACTTGAAG
 GTGAGCAAGAGGCCACTGTATGCACCATGGTCTATCAGCCTGGCAGTGACAGCCATA
 CCCTTGCCCCGCCCTGAGATGCCTGGTGGGGCCAAACCATTGCCTCACCCATACCC
 ACACCCAGGCCCTGCCAGGGTGGAGGGCAATGGCAGAATGCTCCCTCCCTCAATGTGA
 CCAGGTCACTGTTCAAGGTTGAAGGCAGCAGCAGGGGTGAGTGGGGAGACCACCCAGGG

 187862 CAGGGGTGAGTGGGGAGACCACCCAGGGATAGGGGTGAGAAGCAGGCAGCAGAGAGCC
 ATCCTGGGATGCTGAGGAGGAGGTGAGAGTCAGGCCACACATGAGCCGAGGCTGCAAGC
 CCTGGCACATTCTCCACTGTCCCCTCACCCCTCTCGTATAGAACACAATTCAAAGAGGA
 TCAGCAAGCATTCAAGACAAGAACCCCAGCAGTAAGCCCAAGCTCAAGGCCCTCTGA
 GTGTGGGACCTGTATTACTCTACAGCCATGCACCCGTGGGCCAGCCCTGGCTGAGCCA
 [T, C]
 GAACAGAGGCCACCCAGCATGGTGTGTGACCCCTCTCTGTGTTAGAACATCTGCA
 GTTTGAGCAGCTCCAGACCACCCAGGTCCCTGTTGCTCTTGCTCTGCTATGGT
 GGCACCACATTTGAGGTAGGGAAATTGACAGTAGTCCTGCTGAGAGCCCCCTTCA
 TCTTCAGAGCCTAGAGTGGGTAGAGCCCTGCCAGCCAGCCTGCACAGGTGTGAAGCCC
 TGGATTGCTTGTAAAGATTGGGAGGAATAAAAGATTCTAAATTCCACTTGAGATTA

 187937 GGAGGAGGTGAGAGTCAGGCCACACATGAGCCGAGGCTGCAAGCCCTGGCACATTCTCC
 ACTGTCCCGTCACCCCTCTCGTATAGAACACAATTCAAAGAGGATCAGCAAGCATTCA
 AGACAAGAACCCCAGCAGTAAGCCCAAGCTCAAGGCCCTCTGAGTGTGGGACCTGTA
 TTACTCTACAGCCATGCACCCGTGGGCCAGCCCTGGCTGCAGCCATGAACAGAGGCCCA
 CCAGCATGGGTGTGTGACCCCTCTCTGTGTTAGAACATCTGCAAGTTGAGCAGCTC
 [G, A]
 GACCACACCAGGTCCCTGTTGCTCTTGCTCCTGCTGCTATGGTGGCACCATATTGA
 GGTCAAGGAAATTGACAGTAGTCCTGCTGAGAGCCCCCTTCATCTCAGAGCCTAGA
 GTGGGTCAAGGCCCTGCCAGCCAGCCTGCACAGGTGTGAAGCCCTGGATTGCTTAA
 GATTGGGAGGAATAAAAGATTCTAAATTCCACTTGAGATTATTAATCACAAGTGT
 GGTTGAACAAAAAGTAAACCTGAATATGAATTATTTAAATTGAGGTATAATTACA

 188286 ACCATCATTGAGGTCAAGGAATTGACAGTAGTCCTGCTGAGAGCCCCCTTCATCT
 TCAGAGCCTAGAGTGGTCAGAGCCCTGCCAGCCAGCTGACAGGTGTGAAGCCCTGG
 ATTGCTTGTAAAGATTGGGAGGAATAAAAGATTCTAAATTCCACTTGAGATTATT
 AATCACAAGTGTGGTTGAACAAAAGTAAACCTGAATATGAATTATTTAAATTGAG
 GTATAATTACATACAATTAAATGCATAGATTGTCAATGATATTCAAGCAGCTATA
 [C, T]
 ACCATCACTCAATCAAGATATAAAACATTGCTATCAACCTAGAAAATGATTTCTAGTC
 AACCCCTCCCAATTCAACAGAGGCAAGCACTGTTCTGATTCTAGCATCGTAGATTAGTTA
 GCTATTTTGAAATTATGTAAGTGGAACCATACAGTAAGGAAACTTTGTGGCTCTTG
 ACTCAAACACTCAGTATAACACTGAGTTTATCCATGTAGCTGGAAAATCCATTGCTCGTT
 CCTGTTATTGCTAAGTAGTATTGACTATATCACAGTTGTGATTCC

 188478 GGTTGAACAAAAAGTAAACCTGAATATGAATTATTTAAATTGAGGTATAATTACA
 TACAATTAAATGCATAGATTGTCAATGATATTCAAGCAGCTGATACACCACACTCA
 ATCAAGATATAAAACATTGCTATCAACCTAGAAAATGATTTCTAGTCACCCCTCCCAT
 TCACAGAGGCAAGCACTGTTCTGATTCTAGCATCGTAGATTAGTTAGCTATTTGA
 ATTGTTATGTAAGTGGAACCATACAGTAAGGAAACTTTGTGGCTCTTGACTCAAACCTCA
 [G, A]
 TATAACACTGAGTTTATCCATGTAGCTGGAAAATCCATTGCTCGTCTGTATTGCT
 AAGTAGTATTGACTATATCACAGTTGTTGTGATTCTGTAAATGTACA
 TTAGGTTGCTTCCATTGGAAACTACTATGAATAAAACTCCATAAATTTGTATG
 TGTCCTTGTGAGCATAGTCTTCATTCTGGATATACCTATGAGTGGCAAATA
 AGCACATAAAAGATGTTCAAGATCATCAGTCATTAGGAAATACAGATTGAAATCACAGT

 189156 TTGGCAAGGATCTGGGAGAACAGAACATTCAATCTGTCAGGGAAATGTAAAATGGT
 ACAACCACTTGGAGATGGTTGACAGTTCTTAAAAAGTAAACCTTTACTTTAC
 TTATGATCCAGCCATTCTACTCTTACCTACTTACCCAAAAGAAATTAAAGCATATATCCA
 TAAAAATACTTGTACATAGATGTTCATAGCAGCCTTATTGAAATTGTAAAATATTAGAA
 TCAACCCAAATGTCCATTAACAGTGAATGAATAGACAAACTGTGGTATATCCATATAGT
 [A, G]
 GAATGCTACTCAGCAATAAAAGGAATGAACCTGGCTGGGTGGCTCACGCCGTAG
 TCCCAGCATTGGGAGGCCAAGGCAGGCAGATCATGAGGTCAAGATATTGAGACCAC
 TGGCCAATGTGGTGAACCCCTGTCTACTAAAAATACAAAAATTAGCTGGCATGGTGG

CACGTGCCCTGAGCTACTCGGGAGGCTGAGGCAGGAGAATCACTTAAACTGGGA
 GGTTGCAGTGAGCCAAGATTATGCCACTGCACTCCAGCCTGGTAACAGAGTGAGACTCCA

189488 TGGCTGGGTGTGGTGGCTACGCCGTAGTCCCAGCATTGGGAGGCCAAGGCAGGCAG
 ATCATGAGGTCAAGATATTGAGACCATCCTGCCAATGGTGAACCCCTGTCTCTACTA
 AAAATACAAAATTAGCTGGCATGGCACGTGCCCTGAGTGCAGCTACTCGGGAGG
 CTGAGGCAGGAGAATCACTTAAACTGGGAGGTTGCACTGAGCCAAGATTATGCCACTGCA
 CTCCAGCCTGGTAACAGAGTGAGACTCCATCTAAAAATAAAAATAAAAATAAAAAA
 [T, C, G]
 GAATGAACATTGACACATGGCAAACCTTAATGAAGCTAAACCTATCGATGTATTCTAT
 AACATGAACGAATCTCAAATAATTATGCTGAGTAAACAAAGCCACACAAAACAAGAGCA
 TCTACTACGTGATCCCATTATATAAAATTAGGAATCCAAACTAATGTCTGATGACA
 AAAGCCAGATCAGACTGGGTGGAGGGACAGGGAGGGCAAAGGGAGGGTACAAAGCG
 GCATGAGGAATCTGGGTGATGTGTTGTTGTGATATGTTCATGGGTGT

189909 TCTACTACGTGATCCCATTATATAAAATTAGGAATCCAAACTAATGTCTGATGACA
 AAAGCCAGATCAGACTGGGTGGAGGGACAGGGAGGGCAAAGGGAGGGTACAAAGCG
 GCATGAGGAATCTGGGTGATGTGTTGTTGTGATATGTTCATGGGTGT
 ACATATATGTCGAAACCTTCAAATTGTATGCTGTATAGGTGAGTTAATTGTCATT
 ATACTTCAATGAAGGTGTCCTTAAAGTCAAATGACTGTATAGTATAATGCTATTCC
 [A, G]
 TCCTCTCAGTCACTCTCTTATTCAAGTACCACTGGTCTTATTTTAGCTGTATAG
 TAATTCACTGAGTTAAGGTAGCATTGTTCTCAAAGCTTGTCTTCAAGATTGTTG
 CATATTCTATATAAAAGTTATTCCTTATTCATAACCATTCCATATAATTAGAA
 TAGCTTGTGCGATTTTCAGAAGTCTGGTGGTATTATGAATGAAATTGTGTCATTCT
 GTAGGTAATTAGGAAGAACATCCACATCTTAGATATATTGAGACTTCTAATCCGTGAGCA

189910 CTACTACGTGATCCCATTATATAAAATTAGGAATCCAAACTAATGTCTGATGACAA
 AAGCCAGATCAGACTGGGTGGAGGGACAGGGAGGGCAAAGGGAGGGTACAAAGCGG
 CATGAGGAATCTGGGTGATGTGTTGTTGTGATATGTTCATGGGTGT
 CATATATGTCGAAACCTTCAAATTGTATGCTGTATAGGTGAGTTAATTGTCATT
 TACTTCAATGAAGGTGTCCTTAAAGTCAAATGACTGTATAGTATAATGCTATTCCG
 [T, G]
 CCTCTCAGTCACTCTCTTATTCAAGTACCACTGGTCTTATTTTAGCTGTATAGT
 AATTCACTGAGTTAAGGTAGCATTGTTCTCAAAGCTTGTCTTCAAGATTGTTG
 ATATTCTATATAAAAGTTATTCCTTATTCATAACCATTCCATATAATTAGAA
 AGCTTGTGCGATTTTCAGAAGTCTGGTGGTATTATGAATGAAATTGTGTCATTCT
 TAGGTAATTAGGAAGAACATCCACATCTTAGATATATTGAGACTTCTAATCCGTGAGCAT

194673 CATAGACTGATGCCAGAAGGAATTGTAGCTCATATGCAAACACTACCTGAGTAACCTGAAA
 AATCTCAAAACATAAAATTAGTTAACCCAGAATGGGGAGCTTGGGTGCCCGCACA
 ATCAAGAAAGGCCTATATCCAAACTATATCTCAAAAATTTCACAGATTATATCCAGA
 AAATGTGAGCTTTAAAAGAACATCAAACACCAAAAGGAGAATGCCATGAAACC
 AACAAAATCTGTGAATAACAAATGATACCGAATATAAAATGTATATTAAATT
 [T, A]
 AAAAATTAAAAATATGATTGAAAATCAAGAGATTATACAATGCCAATCATCTTATGA
 ATGGCTAAAAGAACCTCTGAAAATTCAAACACTCAGTGGAGAGTGTAACAGT
 AGGTTAGAATAGCTGAAGAGTTAATTAAAGAGCTGGAAGACGGATTGAAAATTATAC
 AGAATGCAACATAGAAAACAAAGATGGGAAATGCGAAAGAGATAAGAGATACTTAAAT
 AGAATGAAAATTGTAGCATATTCTAATTAGAATACCTGAAAAGAGGGAGAAAATAA

194808 TATCCAAACTATATCTAAAAATTTCACAGATTATTCAGAAAATGTGAGCTCTT
 TAAAAAGAAATCAAAACACCAAAAGGAGAATGCCATGTAAGAACCAACAAAATCTGTGAA
 TAACAAAATGATACCGAATATAAAATATGTATTTAATATTAAAAATTAAAAATA
 TGATTGAAAATCAAGAGATTATACAATGCCAATCATCTTATGAATGGCTAAAAGAA
 CTTCTGAAAATTCAAACACTCAGTGGAGAGTGTAACAGTAGGTTAGAAATAGC
 [T, C]
 GAAGAGTTAATTAAAGAGCTGGAAGACGGATTGAAAATTATACAGAATGCAACATAGA
 AAAACCAAGATGGGAAATGCGAAAGAGATAAGAGATACTTAAATAGAATGAAAATTG
 AGCATAATTCTAATTAGAATACCTGAAAAGAGGGAGAAAATAATGGAATAGAGATA
 ATTAAATGGAAGATAGGTAAAGGATGTTCAAGAAGTGTGAGAGATAAGAGATA
 CAGGAAACCTGATGAATTATAAGCAGAATAATGCAAAGAAATGTGTTGCACTCAC

194884 CACCAAAAGGAGAATGCCATGTAAGAACCAACAAAATCTGTGAATAACAAAATGATACCG
 AATATAAAATATGTATTTAATATTTTAAAAATTAAAATATGATTGAAAATCAAGA
 GATTATACAAATGGCAATCATCTTATGAATGGCTAAAAGAACTCTGAAAATCAA
 ATTCAAAACTCAGTGGAAAGAGTGTACAGTAGGTTAGAAATAGCTGAAGAGTTAATTAA
 GAGCTGGAAAGACGGATTGAAAATTATACAGAACATAGAAAAACCAAAGATGGG
 [A, G]
 AATGCGAAAGAGATAAGAGATACTTAAATAGAATGAAAATTGAGCATATTCTAATTAA
 GAATACCTGGAAAAGAGGGGAGAAAAATAATGGAATAGAGATACCATTAAATGGAAGATAG
 GTAAGGATGTTCAAGAAGTGTGAAAGATAGAATCCTCACTTCAGGAAACCTGATGAA
 TTATAAGCAGAATAAAATGCAAAGAAATATGTTGTTGCATCACAGAGAAATTGCAAGAAA
 ACCAGAGAAGATGTTAAAATTATCCAGACATCAAAATGGATTACCTATAAGGGAAATGAA

195290 TTTAATGGAAGATAGGTAAAGGATGTTCAAGAACTGATGAAAGATAGAAATCCTCACTTC
 AGGAAACCTGATGAATTATAAGCAGAATAATGCAAAGAAATATGTTGTTGCATCACA
 GAGAAATTGCAAGAAAACCAGAGAAAGATGTTAAAATTATCCAGACATCAAAATGGATTAC
 CTATAAGGGAATGAAAAGGCTATCAGGTAAACATCTCAACAAAGCCAGAGGGCAGGGGAAC
 AAAAGGTTATCAAGTGAAAGAAAAAAATACACGAACATAAGAGTAATTACACAGCAT
 [A, -]
 AAAAACTCTTAAAATTAGGATAAAATAGACATTAGACAAACATAAAGAGAATTGAG
 GTATAAGAAGGAATTATGAGGAATAAGACAGACTCACAATATAACAGTATTGTCATATAG
 TTACGTCAGGAAAGGTTCTAAGGTTCTAAGGTTCTCATGGGGAGGGTAAAGTGTG
 ATTATAGACTTGGCTAATTATACTTTAAAATTGAGATAAACAGTAGAGAAGAATAAA
 AGAGATATTAAATTATGAGCAGAAGAAGAAATCAGGGTGAAGTATTGATTCAA

195939 ACAATCTAATATAAACTAAATAAAACATGTTATGTGGGGTACTATAAGGACAATGA
 ATGAATCACCCTATATGCAGACATGGGTGTAACATAAATATCGTGGGAGAGCAAAG
 AAAGTCTCTGATGAGTACATAGAGTGTGATTCAATTATAAAAGTTCAAAACATGGAAA
 ACAACATACTGCATAGAAATACAAAGGTGAGATAAACCAAAAGAATGATAAACACAAAAT
 TCAGGCTAATGACGGTCTCTGTGGCAATGAGGGATAGAACTGGAGAGGGACACATGG
 [C, G]
 AAAATTCAAAATGAAAGACACCGTTCTTTCTTAAATGAATGGATTCATCGTTGTT
 GTACGATAATGCTTAAGCCATCCATAGAGTGGATAAGTGTCTTCTGTCTACTCATTA
 TTTAATAGAAATAATTAAACATTATAGTTATTCAAATTGATTTTGTGGTGTGA
 AATAGGTTCCAATGTTGTTCTAGGTGGATAGCAGGGTCCCCAGCATCATCTAT
 CAGAGAGCTATCATTCCCATTGGAGTGGTACTCTTATTATACTAATTTCATAT

196291 CCGTTTGTGTACGATAATGCTTAAGCCATCCATAGAGTGGATAAGTGTCTTTCTGTC
 TACTCATTATTAATAGAAATAATTAAACATTATAGTTATTCAAATTGATTTTGT
 GTGGGTGAAATAGGTTCCAATGTTGTTCTAGGTGGATAGCAGGGTCCCCAGC
 ATCATCTATCAGAGAGCTATCATTCCCATTGGAGTGGTAACCTTATTATACTAA
 TTTCATATACATTGGCATTATTCTGGATCCTGTTCTATTGCAAATCTGC
 [A, C]
 GTCACTGATTGCTTTCTAGGTGATCTCATATTGATTATCACAGCAGCTTCTG
 GGTTGAATGTTCTAGTATCTGGGAAGGCACATCCCCCTACAGTATTCTTCTTT
 CCTGGTTATCTGGGGCACTTATTAACCTCAAATGAACCTTTAAGATCATTCTAA
 GTCTAAAATGATTGCTTAAATTGAGTATTGAGAATGCTTCTACCCACGAATAA
 GAAATGTTCCAATCTTATTGACCTTCATAGGGTTACAGCCATTTTATAG

196533 TTCATATACATTGGCATTTCCTGGATCCTGTTCTATTGCAAATCTGCAG
 TCACTGATTGCTTTCTAGGTGATCTCATATTGATTATCACAGCAGCTTCTGG
 GTTGAATGTTCTAGTATCTGGGAAGGCACATCCCCCTACAGTATTCTTCTTT
 CCTGGTTATCTGGGGCACTTATTAACCTCAAATGAACCTTTAAGATCATTCTAA
 TCTAAAATGATTGCTTAAATTGAGTATTGAGAATGCTTCTACCCACGAATAA
 [A, C]
 AATGTTCCAATCTTATTGACCTTCATAGGGTTTACAGCCATTTTTATAGGT
 CCTATGGCTTCTGTCATTTGTTACTAATATTGTTTACCATGATTGATG
 GTAGGTGGTTTCTGGGTTTACCTCTAATTATTGCTACTGTTGAGGAGAATGAT
 TAATTGGCATATTATCATCTGCTTCAACTAGTTCTGATAATTCTTATAATTAA
 TTTTCACTGGAGTCTCTGGATTCTAAGTATAACAGATACATAATCATCAAAAGAGA

197176 TCATTGTCTGTCTTATTATACTTCCTTATGAATAAGAACATGATGATAACAAATATCCCT
 GTCTGGCTCCTGATTAAATTGAAACAGTTAGTGTGATTGGCTATTAGGAGTTCTTC
 TATTCTTGTCTTAGAGTTAAATGAAATTACTGTATTAAAGACTTCTTAT

TTCTATTTCACTCTAGGTTTGAGATATGTCTTCTTGTACCTTGAAGACTGGAGTC
 TTAATAGTGACCATTGTCCTAAATTGCCCTGATATTCTAACCTTGAAGACTTGAC
 [A, G]
 TCTCAATAGTGACCATTATCTCCTAAATTCTTGCCTGAATTCTCTGATTTCTTGTG
 GGCTCAAAAATCATAGTTCCCCAAAAGCCTCTTGTGCTGCTGATTCTCGTGGCA
 TTTGGTATTTGTTGTCACTATTAAAGGTGTCACTCCTCCCTGCAGTAGCTGTAATT
 TAGTCATTTCAGAGGCTGGAGCTCCAGTGTATATGGTCTTTCCATAGCCTGTT
 GAAGGCAACACTGAAGTACCTAACGGCAGTGGTGGTCTCACAGAGAGTACCTGATAGGGC

 199693 CAGTTTGTGCTGTGAGGTTAGTCCAGTCACTTGCCCTAAGAATGTATAATTCA
 GACTCCCTACCTTGAAGCCAGGCGGAGTTATAAAGGGTCCAGTGAAGGCCCTGGCGCAAGGGAA
 ATTGCAAGGAAAGCATTCCCTTGGGTATTTGAAGCATGCTATTTCATCTGCC
 TAAAAACCAATTCAATACTTCACTTCAAGTATAAATATGTTCACCTTCATTAAAGGCTGGCCTCC
 CGAAGACAGCAACTACCCCACATGTTCATGCACTGAATCAGTAAACCAAATGGCTACT
 [A, T]
 CTTTCCAGTCCTATTCAACCTTCACCAATTCAAGTGTCCGAATTGAGCACTTACT
 AAAGTGCCTAGCTCTACATGAATTATCTCATGTAATCCTCAAAGCAATCCTGTAAGGG
 CAATCCCGTAAGGACCATTGTTATCGTCACTTTAAATAGGGAAAAGAAGGTGGAACCTT
 GCCTGGGCTCACACAACATCAGCTGTGAAGGAGCACAGGACTGGGTGGAGGCCAGGTT
 TTACTGTGTTACTGTGTTACTTGAGACCCAGGGGATCAACACAGTACCGTAGGAAGTT

 199734 AATGATAATTTCAGACTCCCTACCTTGGAAAGCCAGGGGGAGTTATAAGGGTCCAGTG
 AAGCCCTGGCGCAAGGGAAATTGCAAGGGAAAGCATTCCCTTGGGTATTTGAAGCATGC
 TATTGCACTGCCTTTAAACCAATTCAATACTTCAAGTATAAATATGTTCACCT
 TCCATTAAGGCTGGCCTCCCGAAGACAGCAACTACCCCACATGTTCATGCACTTGAATCA
 GTAAAACCAAATGGCTACTACTTTCCAGTCCTATTATTCAACCTTCACCAATTCA
 [G, A]
 TCCGAATTGAGCACTTACTAAGTGCCTAGCTCTACATGAATTATCTCATGTAATCCTC
 AAAGCAATTCTGTAAGGGCAATCCCGTAAGGACCATTGTTATCGTCACTTTAAATAGG
 GAAAAGAAGGTGGAACCTTGCCTGGCTCACACAACATCAGCTGTGAAGGAGCACAGGA
 CTGGGTGGAGGCCAAGGTTTACTGTGTTACTGTGTTACTTGAGACCCAGCGGGATCAAC
 ACAAGTACCGTAGGAAGTTCTGTCAGCACTCCCCTACCCACCCGCCCCGCTCCA

 201371 ATTACCTCCAGCAATGGATAACCATGTGTTCTGTTGAGCTTGGGATTGGAGAATGTG
 GTCAAGTCTTCAGAACTGGTCAAAGTGCCTTCATCAAGTGCACAAGCACCTCAGCATA
 AGGCTGTGCTCACCGGGTGAGTTGAAATCACCTGTGGTCACTGAGAAATACATCACATCT
 GCCCAGCAGTCACCTGTCCAGTTCAAGGAAATAGCAGGGAGAGGAGACAGGGAGGTGAT
 GAAGATGGAAACATCATAGTGGAGGTAAAGGGCTTAATGCCAGGTGTCCATGCA
 [T, A]
 AGGAGTGGGTTGGGCTGTGATGTTCACAGATCCAAGCAGGGCTTCCCTCTGCAGCC
 GTAAACCTCCAGCCTTAGAGAAGTTGCTACTTAGGCCTCAAGCTATGTGTC
 TGGGTGAGGAGCAGCCATCCTGCAGGCCAGGGTGTGATGTGGATGTATCCTGATGT
 TGGAGAAGCTCACACTATGGACATCTAGATCCTCCAGGCATGAGTCCCTGA
 CAGAGACCATATCACCAGCTGAGCAGATTATCCAAGTTCAAGGGATTGGAGTGAGACTGA

 201433 CAAGTCTTCAGAACTGGTCAAAGTGTCTTCATCAAGTGCACAAGCACCTCAGCATA
 GCTGTGCTCACCGGGTGAGTTGAAATCACCTGTGGTCACTGAGAAATACATCACATCTGC
 CCAGCAGTCACCTGTCCAGTTCAAGGAAATAGCAGGGAGAGGAGACAGGGAGGTGATGA
 AGATGGAAACATCATAGTGGAGGTAAAGGGCTTAATGCCAGGTGTCCATGCA
 GGAGTGGGTTGGGCTGTGATGTTCACAGATCCAAGCAGGGCTTCCCTCTGCAGCC
 [T, C]
 AACACCTCCAGCCTTAGAGAAGTTGCTACTTAGGCCTCTAAGCTATGTGTC
 GGTGAGGAGCAGCCATCCTGCAGGCCAGGGTGTGATGTGGATGTATCCTGATGTG
 GAGAAGCTCACACTATGGACATCTAGATCCTCCAGGCATGAGTCCCTGA
 GAGACCATATCACCAGCTGAGCAGATTATCCAAGTTCAAGGGATTGGAGTGAGACTGA
 TTCAAAGCTAGGCTCTACCACCTACTTGCTGTTAACCATAGGCAAGTC
 ACTTGACTCAT

 201848 ATGTTGGAGAAGCTCACACTATGGACATCTAGATCCTCCAGGCATGAGTCC
 TAAGCAGAGACCATATCACCAGCTGAGCAGATTATCCAAGTTCAAGGGATTGGAGTGA
 GACTGATTCAAAGCTAGGCTCTACCACCTACTTGCTGCTAACCATAGGCAAGTC
 ACTTGACTCATGTTCTTAATCTGAAAATGGGCTATATTGCTAACCATAGGCAAGTC
 GGGCCTCTGTGCTACTTAATAGAGCTTAAAGGAGGATTAAATGAGC
 CATCAGATGAGCTC
 [A, G]

TAGATTCTAAGAGTTAGCATGGTGCCTGGTGGGCCTGCCTCAGTAATAATAGTCACCT
 TACACATGCCCTCTCGGCTGGGTGTTAACACACACATGTCCTGGAGGAATTACAGA
 TTCTCATCCAAACCCCTGAATATAATGAGGCGTTACAGGGTGGAGGTGGACCTGACGCA
 GCCCCGGCATCCAGGGCATCTAGGAGTGTGGAGGCCCTACCAAGGTAGCCTGTAGTCAG
 AGCTCAGAGAGGGCTGCTCTTCCCACCAGCAGCCCTGAGGGTGCCGAGAGTTCTG

 202730 AGGTCTCAGGTCTAATCTCACCTCCTCAAAGAGGGCTTCCCTGACCAGAGTAAAGTGTGCC
 CGCTGCAGCACCCCTGGTTATTCCTCCTCGCATTAAACACCATCTACACTGTCTTGTT
 TTTTGTGTCAGTTCACCCCTCTGTGTCTCCTACACTGTCTAGTGTAGGCCCTGA
 GGATAGGAGCCTATTCTGCTGAATCCTCAGCACCTGGAATCGGGACTGGCACATAGCAG
 GTGCTCAGTAAATATTGTTGGGTGAGATAGTAGGGGAGGAGCTGGCAGGCAGGAACCTGC
 [G, A]
 GAAGTGGCCCGTTGTTACCAACCCACCCATCTAGGGTAGACATGGCACGGGACTGGAGC
 GTCGGGCCTCTGCCTGTTCTCACACAAACCTGAATTCTGCAGCTGCATACCAGGCCACTT
 GGGTGGTTCTGCAATGAGAGAGTCGACACTGACAGGACTCTCTGTCCTGGACCCACCT
 TGCCACGTGTGAGGGTATAAGTTATCTTAAAGGGGGAAAAGAATACTGGACCGTTATGTC
 CAATCCCTGGATGCGCACCCACATATCTGCACATGGCTACATGTACATGGCTCTCCGC

 204904 TTAACACTGACCCCTCAGAGTGCAGCCTGCAGGGAGGCCATGGGAGCCTCCCCAGCAAG
 TTAAGCAAACGTAGGTGCCTGCTGCCCTGTGTGACGCTGGCCTCAGAGGTGCTCACTAC
 CATCTGGACACACAGCTTCAAAGGAGGGGGTCAGGGAAAGTAGCTCTCCCCCAGCCC
 CCCATGAACGGCTGGTTGGCTGCTGCCCTGGATGGAGTAGGTGGTCTCTGAAGCCCCT
 CCAACTCTGCTTCTCCAGGATTCTAGTTCTTACTCCAGAAGACCCACCTCCACGGAC
 [G, A]
 TCCATCTCCCCCTCATACCTCCATCTTCCACTTCCCTGCCACTTGGAGAAGGCA
 AGGGAAAATGTACCCCTACCGGGTCAACACATGTGAGGCTCACCCACCCATCCGA
 GCCCCTAGCCTGGCTTCTTAACTGCACTGAATTAGCCTCAGGAGATCAGTTCTGAAAAT
 TTCTGCATTCTTAAACCTGAGTATACTGGGCCACACGAGGAGCAAGGCCTAGCACCT
 GTGGGACCTCTGAGGGCAGAGCAGGGCAGGCACCTGGGTTAGGAGGATTAGAGAGGG

 205171 TCTCTTACTCCAGAAGACCCACCTCCACGGACGTCCATCTCCCCCATACCTCCATCC
 TTCCACTCTCCCTGCCACTTGGAGAAGGCAAGGGAAAATGTACCCCTACGGGTCA
 ACACATGTGAGGCTTCAACCACCTCCCCATCCGAGCCCTAGCCTGGCTTCTTAACTGCA
 CTGAATTAGCCTCAGGAGATCAGTCTGAAATTCTGCAATTCTTAAACCTGAGTAT
 ACTGGGCCACACGAGGAGCAAGGCCTAGCACCTGTGGACCTCTGAGGCCAGAGCAGG
 [G, A]
 CAGGCACTTGGGTAGGAGGATTAGAGAGGGACACTTGGACTTGGCTGGTAGCAAGC
 ACTTCATAGAGAAAATGCCCTACAACAGTGAATGGACTGGAGCTGGTTAGCCAGAGGAGAAAG
 CAATGGGGCCAGGGCACACGCTCTGAAGCAGGCTCGGAGAGGCCAGGGCACAGAGACTT
 TGCCCTTGTGTTCTTCAAATGGCAATTAGTGGGTTGCACTCTATCTGCATGGAGGTT
 TATTAACAGTGTACCCATGGCAATGCTCTGCGTCTGGCCCTGTCTGGGAGAGAAC

 205991 ACAGGAAGGGCGTGCAGAGGGGCCCTGAATGCCACTGGCCTTCATGGTACATGCGAAC
 AATTAGCAAAGTGGATAAAAGAGATTCCCGCCCTTAGGATCTGCACCTTATAGCT
 CAGAGATATTGACCTCTAGTTATTATGATCAAGAAAAAGTCATAACTCTTAGTT
 GCCAAGGCTGGAGGAATTAAATGAATTATGATCAAGCAGTTAATCTGCCATACTG
 ATTTTTTCTTCAAATCTGTAATGATGAAAGCAGACTAACCAAAAACAAGAAAA
 [T, G]
 ATATTTTTCTTTTTCTCTTTGGCTTAGACATTTAATCCATGGTAGGA
 GCCGGGGCTAAAAGTTGGTCACTGATTACTAGGGCATTCTGTCTTGCTGAGTATTG
 TGGAGATTAAACACTAAAGCAAAGTCTCTGAGGCTGTAAGGATCTGTATTCA
 TTCAGTTGTCTTTGGTGTCCCTGTGTAATTCTCAACTTCCATCTGTACCTTAGTGA
 CATGTGCTGATTATCTCATTCCAGACTCCAGAATGCAGTGTGATGGTAGGAC

 206052 ATTGCAAAGTGGATAAAAGAGATTCCCGCCCTTAGGATCTGCACCTTATAGCT
 AGAGATATTGACCTCTAGTTATTATGATTCAGGAAAGTCATAACTCTTAGTTG
 CCAAGGCTGGAGGAATTAAATGAATTATGATCAAGCAGTTAATCTGCCATACTG
 TTTTTTCTTCAAATCTGTAATGATGAAAGCAGACTAACCAAAAACAAGAAAA
 ATATTTTTCTTTTTCTCTTTGGCTTAGACATTTAATCCATGGTAGGA
 [C, G]
 CGGGGGCTAAAAGTTGGTCACTGATTACTAGGGCATTCTGTCTTGCTGAGTATTG
 GAGATTAAACACTAAAGCAAAGTCTCTGAGGCTGTAAGGATCTGTATTCA
 TTCAGTTGTCTTTGGTGTCCCTGTGTAATTCTCAACTTCCATCTGTACCTTAGTGA

ATGTGCTGATTATCTCATTCCAGACTCCCAGAATGCAGTGTGATGTGGTATGGACGC
 CTGTTTCGCCCTTCACCTAACGTGCCCTTCAGCTGCCCTGACCTTTGGTGTGA

207237 GCTCCCTGGCTCCCAGTCTTGCCTGATCTGCATACTGACCACTTACAGAATGA
 CAAAGTCAGAAAGAGGAAAGGTATGACTTGTTCATCTTGAGACCCCTAACGGTGCCTAA
 GACACAGCCTGGTCCAAGTCATGACATAGTAAGGAAAAGAAGGAAGGAAGGAAACGT
 ATTGCAGGGCAGGGGGTGGAGGGGACCACTTTTAAAGTCATTGATTTAATAGGCCT
 CTAGTCCAGGAGGCTGACTGTGAGCCTGGGAGCAGTAGTGGCAGGTTGTCCCTGTG
 [C, T]
 AAGGTGCTCTTGTGAGCACGGAATAGCTGGGTGTTTCATTTCACTGGAAGCAGG
 AAAAGTAAGCCTAAGAAAAGAACCAAGAGTGTGATCAAAGCCCCCAGCTGGGTCTAGGTT
 GGAAAGGTGTTGAGTCAGATGTCAGGTGAGTCAGCCATGAAACCTGAGCTCGCAA
 GGCAGGACACCCCTCTGGCACCATGACCACCTCATGGAGGGACAGGGACTCCCTAGGA
 GACCCCAAGCCCCCAGGCCACCTTGAGTAGCTGGCTGCACAGGAAATGGAGCTGT

208791 CACTAGACGGTAAGAACCAATTAGGGCAGCGGCTATGGCTGTCTATGCGTTATGTATTA
 GCACCTAGCACTGTGCCCTGCACCAAGAAAATGCTCAATGGCTCCAGATGCTTGAAGAT
 ACAAGGGTCAAATGACACATCCTGGGTTGATTGATGTGGCCCTGGTAAATAGTACATGCC
 ATGGCCTGTGGAAGTATTTATGTATACAAATATTGTGTACAAAATGGGTATACATGAA
 TTAGGAAGTGTAGAAGACAGAACGAGCTTCAGGCAGATGGGAACAGGCCACATAGC
 [C, G]
 TGAGCTACGGAGAGCCCCTTGGAGTTATGTGAGGTCAAGGAATGTGCTTAGGTTGCACAG
 GGAGGAGAGGAGGAGGCTGGACTAGACACCTGCCAAGTGCCTGCAACACTAGAACGAA
 AGGCGTGAGAGCAGTCAGGCTGTAAGGCCTGGGACCCAAGTGGGAAGGGCAGAGCTC
 CTGCCTCACCCCTACAGAACCCACTGAGGATGGTATGATGCTGACACACCTGAGCGGAG
 CGGGATTCATGGCTGAGGTGGAGCAAAGGTGTGTTGGCCTCCGTTACATCTATCTGT

208799 GGTAAGAACCAATTAGGGCAGCGGCTATGGCTGTCTATGCGTTATGTATTAGCACCTAG
 CACTGTGCCCTGCACCAAGAAAATGCTCAATGGCTCCAGATGCTTGAAGATAAACGGG
 CAGAATGCACTCCTGGGTTGATTGATGTGGCCCTGGTAAATAGTACATGCCATGCC
 TGGAGTATTTATGTATACAAATATTGTGTACAAAATGGGTATACATGAATTAGGAAG
 TGTGTAGAAGACAGAACGAGCTTCAGGCAGATGGGAACAGGCCACATGCCTGAGCTA
 [C, G]
 GAGAGCCCACTTGGAGTTATGTGAGGTCAAGGAATGTGCTTAGGTTGCACAGGGAGGAGA
 GGAGGAGGCTGGACTAGACACCTGCCAAGTGCCTGCAACACTAGAACGAAAGGCGTGA
 GAGCAGTCCAGGCTGTAAGGCCTGGGACCCAAGTGGGAAGGGCAGAGCTCCTGCC
 CCCTCACAGAACCCACTGAGGATGGTATGATGCTGACACACCTGAGCGGAGGCGGATT
 ATGGCTGAGGTGGAGCAAAGGTGTGTTGGCCTCCGTTACATCTATGTGTACCTG

209076 ACAGGGCCACATGCGAGCTACGGAGAGCCCACTTGGAGTTATGTGAGGTCAAGGAATGT
 GTCTTAGGTTGCACAGGGAGGAGGGAGGAGGCTGGACTAGACACCTGCCAAGTGCCTG
 CAACACTAGAACAAAGCGTGAAGCAGTCAGGCTGTAAGGCCTGGGACCAAGTG
 GGAAGGGCAGAGCTCCTGCCACCCCTCACAGAACCCACTGAGGATGGTATGATGCTG
 ACACACCTGAGCGGAGGCGATTCATGGCTGAGGTGGAGCAAAGGTGTGTTGCC
 [C, T]
 GTTACATCTATGTGTCACTGCACCCACCTAATGGGCCACTCCACTCAGCAGTC
 CAGCATGGAGTGTAGGCAGGGCAGGGCTTGGAAATGTGCTTACCCGGTATGACAA
 TAGTCTTGGACACTTCACAGCTGTGTTATGATGCTAATGCCAAGGTGCTCAGAGATC
 ATGAGACACATTATGGAAATGAGGCCAAATGAGCCTAGGAAAACGTC
 AGCACTGCCAGCCACGTGCCAGTCCCTGCAACCGTGCACACTAAAACACTTGAC

209143 GTTGCACAGGGAGGAGGGAGGAGGCTGGACTAGACACCTGCCAAGTGCCTGCAACACT
 AGAAGACAAAGCGTGAAGCAGTCAGGCTGTAAGGCCTGGGACCAAGTGGGAAGGG
 GCAGAGCTCCTGCCACCCCTCACAGAACCCACTGAGGATGGTATGATGCTGACACACC
 TGAGCGGAGGCGGATTCATGGCTGAGGTGGAGCAAAGGTGTGTTGGCCTCCGTTACA
 TCTATCTGTGTCACCTGCACCCACCTAATGGGCCACTCCACTCAGCAGTC
 GTGGCAGCAT [A, G]
 GAGTGCTAGGCAGGGCAGGGCTTGGAAATGTGCTTACCCGGTATGACAATAGTCTT
 GGACACTTCACAGCTGTGCTTATGATGCTAATGCCAAGGTGCTCAGAGATCATGAGAC
 ACATTATGGAAATGAGGCCAAATGAGCCTAGGAAAACGTC
 CCCAGCCACGTGCCAGTCCCTGCAACCGTGCACACTAAAACACTTGAC
 ACCAGCTTATTGGCGTGTGAATTAGACTGATGTCCATTCTGTGTTCCAAT

209185 CCAAGTGCCTGCAACACTAGAAGACAAAGGCAGAGAGCAGTCAGGCTGTAAAGGCC
 GGCACCAAGTGGGAAGGGCAGAGCTCTGCCTCACCCACAGAACCCACTGAGGATG
 GTATGATGCTGACACACCTGAGCGAGGCGGATTATGGCTGAGGTGGAGCAAAGGT
 GTGTTGGCTCTCGTTACATCTATCTGTGTCACCTGCACCCACCTAATGGCCACTCC
 CAGCAGTCGTGGCAGCATGGAGTGCTAGGCAGGGCAGGGCTGGAAATGTGCCTTACC
 [C, G]
 GGTGATGACAATAGTCTTGGACACTTCACAGCTGTGCTTATGATGCTAATGCCAAGGTG
 CTTCAGAGATCATGAGACACATTATGAAATGAGGCCAAATGAGCCTAGGAAAACGTC
 CCCATTCTGGAAGCAGCTGCCACGCACTGCCCCAGTGCACCCACTAATGGCCACT
 AAACACTTGACCAAGTGTGCTCCAGCTTATTGGCGTGTGAATTATAGACTGATGTT
 CATTCTCTGGTTCCAATATCCTCAAATTGCATCTTCAAAGGTTCTATTCTGCAT

 209499 GTCTGGACACTTCACAGCTGTGCTTATGATGCTAATGCCAAGGTGCTTCAGAGATCAT
 GAGACACATTATGAAATGAGGCCAAATGAGCCTAGGAAAACGTCCTCTGGAAAG
 CACTGCCAGCCACGTGCCAGTCTGCACCCGTGACACTAAACACTTGACCA
 GTTGCTCCAGCTTATTGGCGTGTGAATTATAGACTGATGTTCCATTCTGGTT
 CCAATATCCTCAAATTGCATCTTCAAAGGTTCTATTCTGCATCAGAGTGTGCACA
 [C, G]
 CCTCCCTCACCAATTGGTATTCAAACAAACATTCTCATTAAATGGGAGGGAAAAACCA
 CACCACAAAACCCACCGAGGTGAGGAGTGATGGGACAAGCTGGCGTGGAGCGGGGG
 GGCAGCCTGAGCAGATCAGGGCTCAGTTCTGCTCATGCTGATTGAATTATCACC
 ATCCTCTGACTCATTGAGGTTTCACACATTGTGAGTTGCCGCCCACGGTATAGCAG
 TGCTCCTCTTAAGGACCCCTTTGGTGGAGAGTGGTGCCTGTGAGCTCCCAGAAAGA

 209614 GGAAGCACTGCCAGCCACGTGCCAGTCCCTCTGCAACCGTGACACTAAACACTT
 GACCAGTTGCTCCAGCTTATTGGCGTGTGAATTATAGACTGATGTTCCATTCTCT
 GGTTTCCAATATCCTCAAATTGCATCTTCAAAGGTTCTATTCTGCATCAGAGTGT
 GCACAGCCTCCCTCACCAATTGGTATTCAAACAAACATTCTCATTAAATGGGAGGGAAA
 ACCAGCCACCAAAACCCACCGAGGTGAGGAGTGATGGGACAAGCTGGCGTGGAGCG
 [G, T]
 GGGCAGGCAGCCTTGAGCAGATCAGGGCTCAGTTCTGCTCATGCTGATTGAATTATCC
 ACCGAATCCTCTGACTCATTGAGGTTTCACACATTGTGAGTTGCCGCCCACGGTAT
 AGCAGTGCCTCTCTTAAGGACCCCTTTGGTGGAGAGTGGTGCCTGTGAGCTCC
 AAAGACCAAGGGTGGCATCTCAGTCTGGTACTTCCAGCTGTGTTGGTGCATC
 ACTCTGCTCTGGGCTTTCTCGACTGAAATGGACTAATGGCAGTACCCACCT

 209708 TTTTATAGACTGATGTTCCATTCTGGTTCCAATATCCTCAAATTGCATCTTCAA
 AGGTTTCTATTCTGCATCAGAGTGTGCACAGCCTCCCTCACCAATTGGTATTCAA
 CATTCTCATTTAATGGGAGGGAAAACAGCACCACAAACCCACCGAGGTGAGGAGT
 GATGGGGACAAGCTGGCGTGGAGCGGGGGCAGGCAGCCTGAGCAGATCAGGGCTCAGT
 TCTGCTTCTGCTGATTGAATTATCCACCGAATCTCTGACTCATTGAGGTTCAA
 [C, G]
 ATTGTGAGTTGCCGCCACTGGTATAGCAGTGTCTCTTAAAGGACCCCTTTGGT
 GGAGAGTGGTGCCTGTGAGCTCCAGAAAGACCAAGGGTGGCATCTCAGTTCTGGTACTT
 CCCAGCTGTGTTGGTGCATCACTCTGCTCTGGGCTTTCTCGACTGTAA
 ATGGGACTATGGCAGTACCCACCTGCTGCAGCCATGGAGAGAAGTGAAGGAGGGCTG
 CACAAGCACCACCTAGCACGCTGGTGCATGGATTGGTGTGAGACCT

 210292 TGGTGTTCATGAGACCTGCCATCATTATTATCTAATCCAGCGTGGGCCACAGGCC
 GTAGAGAGATGCACAAACTGTGAAGAACGCAGAGGCAGGGAGCAAGGGTCTGTCTGG
 GTTGGGGAGAGATTCTGGGCCAGATTATTAAATGGTAGCTGGAGAGTGGTAAGGAA
 GACATGAGTGTGAGGCAGACACTCATTGCTGGGCCCTCTCCAGCAATGTCCACCTAGAG
 CCAGGGCTCTCTTCTGCAGATGCCCTTGGGCTGGACTCCAGTGGAAAGCCTCAG
 [A, T]
 GCCTCACCCCTCAGGGTCAAGCTGTAGTCCTGGTGGAGGGCAGAACAGAGCTGGCTGCC
 CCTCGATCATTCCATAGGGAGTGCCAGCAACAGGAAAGACCTGGGACTGATTCA
 GGAGCCTGACGGATGGAAGGCAGGCCAGCCCTGAGGTGAGTGCCTGGGGTGGAGCAGTC
 ACCTTCACCAAGAACATGGCTCCAGGGGGAGTAGAACGAAATAGATGACAGAGGTCTG
 TCGGGACCTCTGTGGGACAGAGGGCTGGAAACAAAGGAGGATAAAAGAACAGTTC

 212286 CTGTCCTGCCAGGGAAAGCTTCTACATCCCCAGCTTGTCAAGCCCAGTCCAGCTCTCAG
 CGGGAGACTCACTCCCTGGGATGTGAGATCCAGCTGCAGGGCTGTGATGCTGCAGGC
 ATTGATAGGGATTAGTGAACCTGCTGGAGCAGTCCCTATAGCAAGAGGTGCTGGG

CCTGTGGAAGCATCAGGGAGGCCAGGCTGATGGGACAATGTGGCACGTGCTCAAGGGCA
 CTGCTTGCACGTGAGCTTCTGTGCCATTTACTCTGTAAATGGGATAATA
 [A, C]
 CAGCACTTACCTCATAGAGTGTGAGTATGACAGGAGCAGCACCTGGCATGCAGTGAG
 CATTCTCTACGCAGTGTCAACAGCACTAGGGATGATGCTGGTGCCTGTAACATCA
 CGGCTTATTCAAGGAGCAGATGCAACAAGCTGTAAGACCCCTGCCATTATGTGACAAC
 TCTGTAATGAGCTAAGAGGTCAAGGGTGGTGGGCTCCTGTGAATGAGGGGAGAGAAGA
 ACATTGGCCCTCCATATTATTTAATGAATGACTAGAATTGACCTCCAGTTGATCAAAG
 TTAATGATCACCTCTGTCTGCTAAGAGATGTAAGGAGCCACCCAAGTTCATCTAGC
 AGGTTAGTAGAAAAGCAAGGGAGAACAGGTATCTGTACCCCCAGTCAGGACAAAGCT
 CCTAGAATGTACCTCCGGCTCTCAGGAAATGCCAGTCAGGACCTGGGTAAGAATTCAATC
 [T, C]
 GCCTGAAGATGAGAACGTTAGAGAACGGTGCTGGAGGAGAGGGGACCTCAAGGTGGATT
 TTGAAGAGCAAGGAAGGTTGCTAGGTTGAGAGTGTGGGAAGGCTTCTAGGAGTACA
 GGCATGAAGTACCTCAGTCTCCGGAAAGCAAGTGTATTATGGGATCCTGGGTGTAGGG
 GAGAGCATAGTGGGATAAAGGCAGACAAGTGGATCACAGCAAGCTGGGAAAGGCCTT
 GTGTGCCAAGCAGGGAAAGTCTGAACAGCTGACCAGTGTGTCCAGAATTGGTGGG

 212767 GAATGAGGGGAGAGAACATTGCCCTCCATATTATTTAATGAATGACTAGAATTG
 ACCTCCAGTTGATCAAAGTTAATGATCACCTCTGTCTGCTAAGAGATGTAAGGAGC
 CACCCAAGTTCATCTAGCAGGTTAGTAAAGCAAGGGGAGAACAGGTATCTGTATC
 CCCAGTCTGGACAAAGCTCTAGAATGTACCTCCGGCTCTCAGGAAATGCCAGTGGAGC
 CTGGGTAAGAATTCATCTGCCAGAATGAGATGAGAACGTTAGAGAACGGTGTGGAGGAG
 [G, A]
 GGACCTTCAAGGTGGATTGAAGAGCAAGGGAAAGGTTGCTAGGTTGAGAGTGTGGG
 AGGCTTCTAGGAGTACAGGCATGAAGTACCTCAGTCTCCGGAAAGAGCAAGTGTATT
 GGGATCCTGGGTGTAGGGAGAGCATAAGTGGGATAAAGGCAGACAAGTGGATCACAGC
 AAGCTGGGAAAGCCTGTGTGCCAAGCAGGGAAAGTCTGAACACTCAAGCTGACCAGTGT
 GTGTCCAGAATTGGTGGGTTCTGGTCTCTGACTTCAGAATGAAGCCCGAACCGC

 213100 GGAGGAGAGGGACCTCAAGGTGGATTGAAGAGCAAGGGAAAGGTTGCTAGGTTGAG
 AGTGTGGGAAAGCTTCTAGGAGTACAGGCATGAAGTACCTCCAGTCTCCGGAAAGAGC
 AAGTGTATTATGGGATCCTGGGTGTAGGGAGAGCATAAGTGGGATAAAGGCAGACAAGT
 GGATCACAGCAAGCTGGGAAAGCCTGTGTGCCAAGCAGGGAAAGTCTGAACACTCAAGC
 GACCAAGTGTGTGTCAGAATTGGTGGGTTCTGGTCTCTGACTTCAGAATGAAGCC
 [G, A]
 CGGACCCGCGCGGTGAGTGTACAAGTTCTAAAGATGGCGTGTCCGGAGTTGTCCT
 CTGATGTTGGACGTGTTAGGTTCTCCTCTGGTGGGTTCTCGTGGCTCGCTGGCTT
 CAGGAGTGAAGCTCCGGACCTTCGGGTGAGTGTACAGCTCTAAGCCGGCGCTGTGG
 AGTTGTTCTCCCTCCGGTGTGTCAGCAGGCTCAGAAGTGAAGCTGCAGA
 CCTAAGGCAGTGGCACCAAAGAGTGAAGCAGCAGCAATATTGCAAAGAGCGAAAG

 215017 GCTGGCGGGGCTCCCTGCTCCGCAGGTCAATTAGAACAGCAGCTGCACCTCTCCAGGG
 AAAGCTGGCTCAATCATCCAAACTCACAGAGCTCTGGACATCAGGAACCCAGACCC
 GTCTCTCTCTAAGGAAAGAGTAGGAAACTGAGGGATAACCCAGAAGGTTACCAAGGG
 CTGGGGTCAAAGCAGGCAGAGCCTCTGGGACAAGCCTACCTTCAGCTGGTCTGGC
 TGGAAAGCTGGCCTCCACTTCTCTCCAGACTCCCTTCTGTCCCTCCAGTTGCC
 [A, G]
 CTTCTGGGCTACCCACATTCTGTCAGTAGCCGCTGTTGTTCTTCAGTCTTGC
 AAAAGGATCTCTGTCCCCAGCCCTCTTCTGGCCTCACTTTAAGCTCCACAGAAGAGGG
 TTGGCTGTTCTGCCAAGCCACTCACCTCACAGACATCTGCTGAATGCCACTGG
 CTAAGGCTGTGCCAGGACCTGAGGATAACAGTATGATCAGAACACCGGGCTGAC
 CAAAGAATTATAGCCAAAAGAAACGCCACACATCTCCACCCCTGGGTTATCCTTGG
 GAG

 215021 GGCAGGGCTCCCTGCTCCGCAGGTCAATTAGAACAGCAGCTGCACCTCTCCAGGG
 AAAGCTGGCTCAATCATCCAAACTCACAGAGCTCTGGACATCAGGAACCCAGAC
 CCTTCTAAGGAAAGAGTAGGAAACTGAGGGATAACCCAGAAGGTTACCAAGGG
 GGTCAAAGCAGGCAGAGCCTCTGGGACAAGCCTACCTTCAGCCTGGTCTGG
 AGCTGGCCTCCACTTCTCCAGACTCCCTTCTGTCCCTCCAGTTGCCCTCCACTT
 [C, T]

TGGGCCTACCCACATTCTGCCAGTAGCCGCTGTTCTTCAGTCTTGCAAAGGGA
 TCTCTCTGCCCAAGCCCTTCCCTGGCCTTCACTTAAGCTCCACAGAAGAGGGTTGG
 CTGTTTCTGCCAACACTCACCTCACAGACATCTGCTGAATGCCACTGGTGTAA
 GGCTGTGCCAGGACCTGAGGATACCGATGATCAGAACACCGGGCTGACCTCAAGGA
 TTATAGCCAAAAGAACGCCACACATCTCACCCCTCTGGTTATCCTTGGGAGCTGCT

215180
 AAGGTTACCAGGGAACCTGGGCTAAAGCAGGCAGGCTCTGGGACAAGCCTACCT
 TCAGCCTGGTCTGGCCTTGGAAAGCTGGCCTCACTTCTCCAGACTCCCTTCTGTC
 CCTCCAGTGCCTTCACTCTGGCCTACCCACATTCTGTCAGTAGCCGCTGTTGT
 TCTTCAGTCTTGCAAAGGGATCTCTGTCCCCAGGCCCTTCCACTTAA
 AGCTCCACAGAACAGAGGGTTGGCTGTTCTGCCAACACTCACAGACATCTG
 [C, T]
 TGAATGCCCACTGGGCTAAGGCTGTGCCAGGACCTGAGGATACCAAGTATGATCAGAAC
 ACCGGGCTGACCTCAAGGAATTATAGCCAAAAGAACGCCACACATCTCACCCCTG
 GGTTATCCTTGGGAGCTGTTAGCCAGAGATGCCCTCAAGACCTCAAGGACAAACGGG
 AATCTTACAGACTGCTCTCATGTTGGATACCCCTCCTCACTCCTCCGGATCTG
 CAGCATCTGTGAAAACAACTAGGACTTCAGTGAACAGTTCACTCATAGCCCCGTAG

215370
 TTTGCAAAGGGATCTCTGTCCCCAGCCCTTCTGGCCTTCACTTAAGCTCCACAG
 AAGAGGGTTGGCTGTTCTGCCAACCCACTCACCTCACAGACATCTGCTGAATGCC
 ACTTGGTCTAAGGCTGTGCCAGGACCTGAGGATACCAAGTATGATCAGAACACCGGGC
 GACCTCAAGGAATTATAGCCAAAAGAACGCCACACATCTCACCCCTTGGTTATCCT
 TTGGGAGCTGTTAGCCAGAGATGCCCTCAAGACCTCAAGGACAAACGGGAATCTTAC
 [A, G]
 GACTGTCTCTCATGTTGGATACCCCTCCTCACTCCTCCGGATTCTGTCAGCATCTG
 GAAAACAACAGGACTTCAGTGAACAGTCAGTCAGTACAGCCCCGTAGTCCAGCATCC
 CTGGGAGCTCAGTTGCCATTACAGTATCTGCTCCAGGATCAAGAAAAGTGAACCTAA
 AACAAATATGTGTGTTGGATATTCCTCCAGGTTTATGCAAGGAACGTCTGGT
 GTGAGCACCCGCAAATGTGCAAGAATTATCAGTTGGCATGTGGTGTGCTCCACA

215412
 TCACTTTAAGCTCCACAGAACAGAGGGTTGGCTGTTCTGCCAGCCACTCACCTCACA
 GACATCTGCTGAATGCCACTTGGCTAAGGCTGTGCCAGGACCTGAGGATACCAAGTAT
 GATCAGAACACCGGGCTGACCTCAAGGAATTATAGCCAAAAGAACGCCACACATCTC
 CACCCCTGGGTTATCCTTGGGAGCTGTTAGCCAGAGATGCCCTCAAGACCTCAAGG
 ACAAAACGGAAATCTTACAGACTGCTCTCATGTTGGATACCCCTCCTCACTCCTCCGC
 [G, -]
 GATTCTGTCAGCATCTGTGAAAACAACTAGGACTTCAGTGAACAGTTCACTCATAG
 CCCCGTACTCCAGCATCCCTGGGAGCTCAGTTGCCATTACAGTATCTGCTTCAGGA
 TCAAGAAAAGTGAACCTAAACAAATTATGTGTGTTGGATATTCCTCCAGGTTTAT
 GCAAGGAACGTGCTTGGTGAGCACCCGCAAATGTGCAAGAATTATCAGTTGGCA
 TGTGTGGTGTGCTCCACAGAACTGCTGACTTGAATGAATTAAATTACATTCCAGTAATT

216552
 TCTTGCAAGCTGCTTCCAGGTCTTCCCTGGGCTCTTCTCACAGTCCAGGCCATGCC
 TCAAAAGACCCAGACTGCCCAGAGCAAAGACCAACCATATCTTCATCCCTGACCTCTC
 CTCACGTTCACTCTACCTCTCATCCACCTGGGATGGTCCATCCCACCATCATCCTG
 GCTGGATGACCTCATGGCTCCTAGCTATTCTCTGAGCCCCGGGTCAAGATGCTTCA
 AATCCACTTCCATATGGCATTAGAGTAAGCTTCCAAGATGGAACATTGACCATTGGT
 [C, T]
 TGTCTGCTCGAACCCCTCTGCCAGGTTGGCTAGCAATATTCTGACTATGCGTCAGAT
 ACTATTGGAGATGTGGGACACAGCAGGGAAACAAACAGAGGCCAGTCCCCATGGCAGG
 TACAGTCTTGTGGGAGAAACAAACAGTAAACAAAGAGATGAAGTCTATGTGATGGTACAA
 GTGCCATGGAGCAGAATAAAGCCAGGAGGGCAGTTAGCCAGAGCCTCTGATATGAGAAGT
 GACATTGGCAAAGGTCTGCAGCAGGCCGGGGTAGGGAGTGAGGCATTGAATATC

217007
 AGATGAAGTCTATGTGATGGTACAAGTGCCTGGAGCAGAACAAAGCCAGGAGGGCAGT
 TAGCCAGAGCCTCTGATATGAGAAGTGAACATTGGGAAAGGTCTGCAGCAGGCCGGGG
 GTTAGGGAGTGAGGCATTGAATATCTGGGGAAAGAGTATCCACGGCAGTGGCAATACAA
 AGTTTGCAAAGATCTAACGGTAGGAGCTGCCAGCGTGTGTTGGGGCTCACAGGGC
 CAGAGTTGCTGGACCAGGGTAAGTAAGCAGAGAACACTGAGCAAGTCGGAGGGCTGATG
 [A, G]
 GTTGTGATCTCCCCATAGGGCTCTGCCAGGCTTGGCAAGCCAAAGTTCTTGCACCTGG
 TATATTGCCCTCTCATACTCCGTGAGGCCACCCAAAGTGGCCTTGATGAGGGGAGG
 GAGTGACATGGAGCCTCTCCCCAGGCTCTCCGCAGGAGGCTGTTGAGGAAGGCCCTG

TGTGGACAGGAGGGTGCCGGTGGCTCAGGTGCTCAGATCCATGTGAGTGGACCCATGC
 CCAACACTCGAGAGGTTTCAGATGATCACCAAGGAGCCAGATGTTAATTACTGGAGCAAG

217549 CAACACTCGAGAGGTTTCAGATGATCACCAAGGAGCCAGATGTTAATTACTGGAGCAAGA
 AGAAGGTTGATTGGGACTCCTTAAGGTTCTCCCTATCGTGCCTCAATTAAGATCAAG
 GCCCCCGTGAGCAGCCCTAAATGACACCAGTATTGAATCTGTGCTCAAGCAGTT
 GTCTAATTATCTGTGATAGACTCAGCAGCTGCAAGCAGCCACAACCTCAAATACGTG
 GTCTCTGTACGCCGCTCAAAGTGTATGCCCACTAGCAAGCTCAAGGACAGGACTT
 [A, T]
 CATGCTCTTCTAGATGTGGGATCCCTTCAGGTTCTGTGCCTAGTGTATATAAGG
 CATTGAAGGGGCCAGTGGCTGGGAGACAGTGGGTACAAGAATTGAGCAGAGGCCCTGGGG
 GCTCGGCTGTTCCCTCCCTGCCCTAGCCCTGTGCCTCGCATGATCACTCAGCCTCT
 GCCTGCTTTCTGGACAGGAAGCAGTGACCCAGTTGGCCATCTCTCCAAAGAGAGG
 GAGGAGCACTGCCACTGTGTCAAGTTAAGTGAATAATGAGGGGGATCAGGAGGCAGT

217567 AGATGATCACCAAGGAGCCAGATGTTAATTACTGGAGCAAGAAGAAGTTGATTTGGGACT
 CCTTTAAGGTTCTCCCTATCGCCTCAATTAAGATCAAGGCCCGTGTAGCAGCCG
 CTAAATGACACCAGTATTGAATCTGTGCTCAAGCAGTTGTCTAATTATCTGTGTA
 TAGACTCAGCAGCTGTCAGACCAGCCACAACCTAAACAGTGGTCTGTACGCCCT
 CAAAGTGTATGCCCACTAGCAAGCTCAAGGACAGGACTTACATGCTCTTCTAGAT
 [A, G]
 TGGGATCCCTTCAGGTTCTGTGCCTAGTGTATATAAGCATTGAAGGGGCCAGTGG
 CTGGGAGGACAGTGGGTACAAGAATTGAGCAGAGGCCCTGGGGCTGGCTGTTCCCT
 TCGCCCCAGCCCTTGCGCTCGCATGATCACTCAGCCTCTGTGCCTGTTCTGGACAG
 GGAAGCAGTGACCCAGTTGGGCATCTCTCCAAAGAGAGGGAGGAGCAGTGCCACTG
 TGTCAAGTTAAGTGAATAATGAGGGGGATCAGGAGGCAGTGACCCAGGGAGAGTAAA

218100 TGCCACTGTGTCAAGTTAAGTGAATAATGAGGGGGATCAGGAGGCAGTGACCCAGGG
 AGAGTAAATGACTGCTCATCTCCATCAGCAGAGAGTGTCTCAGGAGTAAACACTCCCA
 GCAGAGCAGGCTATTGGATGAAGGAGGAACAAGACCACACCAAACACTGAATGTAAGG
 TCTGTGGAGTTGAGTCTCAGCCAGGAGAACGAGGGACAGAAACTACAGAAAGCTGGGGC
 CCAGCCCTGTACAGCATCCTGGTCTCGGGAACACCCATGCTTCTGATTGTAGGTGA
 [G, T]
 CTTGTGCCAGTCTGCACCTGGGTGCCTCATGAGGGCCAGATCCAGAACACATGTATT
 TCCAGGCTAATGAGGGAAAGACAGAGCTAACAGTGAATCTCAGGAGTGGACATCTCCTAG
 AGAGTTCTCCCTCTGTTCTCTGCTCATTCTGCTTGTGATGCTTGTGATGCTTGTGAT
 CACTTGTTAATGAAAGTAATCAGAGTGAAGAAACTACTTCAAAAGCTCTCTAAAGGAAA
 GTAGCAAAATCACTTGCTTGCAGGTAATTAAATAGCCAGATGCGAGTGAACCTCGTCCA

219737 CTTTGGGAAAAATTATTACAAGAACAGAACAGCTCATTAGACAGCAACTGTGTTCTAC
 TCCCACATGCAAGAAAACATGAACTCTGAAATGAGATAAAAATGGGATTGTAATTGGCT
 GAGCCACAGTCAAAATAAAATGGAAAGCTGGGGAGGTAAAGGAAAGAATATAAGAACCT
 GAAATACAATTGCGAGAAGTTCTCCACTTCAAGCAGTCAGTAAAGGAAAGATTAACCATA
 CAGAACATAGTTGTTCAATACAGGGAAACAAACTTGAAAACCGCTCCCCAAATACACC
 [A, G]
 AGAATGAGAACAGATTAAAAAATACTGTGGGAGAGGATGATAGTTATGTAAGACAGAG
 ATAAAAGATTAAAATAATAGTGTGTTATCTTAAAGACCTCAGAGCAATTCAATGG
 ACACAATAAGCAAAGAGAGATCCAAAAAATAGTGCCTTACTGAAAGATCTATCAAA
 TAAGTCAAATATAATTGCTGACATTAGTTGAAAAAAATAAAGTGTGATCTGA
 ATATCCAGAGAGAGAAAACAAAGCAGACAAAAAAAGTCTACCTGGTGTGTT

220681 TTCTACAGAACATCAGAGAACATGACAAAGAGGAACACTCAAGGCTTAGGTGAGCACAGAG
 GCTCTGAAATGAGAACGGTGTCTAAATAACTTTCAAATATAGTTACCAAAATGCAA
 AGGGTAAATGATGAGGTTAACGCGCTTAATTCTTGTACTGACTTATTGGAATTCAAC
 AGATCCTGCATAATCCTGACTCGGTATGTTAAAAGCATACATGAGGGCAATATCCAT
 CAGAGCCCAGAACAAACCTCATGCAAGCCAGACAAGTGTCCATGGCTGTTCCAGGTGA
 [C, T]
 CTGGGAGACTTCACCTCTGCCTTCACGGTGTATCCAGAGACCATGGGAAGGATCAGCC
 ACTGACTGACGTGTTGGACCTACGGTGGGCCCTCCCGTGCCTTACATCTCGGTGGCTAGA
 GTGTGCTCCCAGAAAGCATGCAGGGCTACAACTGAAGTGGAAAGAAAACCGCAGGGTC
 ATAGTGTGTTCTCTGTTGATGAAGCCTTGTGACTGGCGTGTGTCAGTATGCCAGT
 GACATGGTCAGGACAATTGGGAAGGCCGAACATTGGTTCAATGTTGAGTCATA

221225 ATGGTCAGGACAATTGGGAAGGCCTGAACATTGGTTCTAATGTTGCAGTCATAACAATG
 TGATTAACCAATTAGAGAGAAATGCATAAGAGCCAAATTCTGTTGCCAAGAAAAGGCAA
 GAAGGTAGAAGAGCTGCCCTGTTAAGAGATAGAGGTTAGAAGTTCACCCCCAAGGCAATA
 AAGGGCCACCATGGGACACAGCCTGTCAGAAAAGAAGGAATGGCATCAGGGTGGGTGG
 ATAGGATCATGGAAATACACATTCTCATTCA CGGAGAATGTGCCAGGCTGCCAGCCCAC
 [C, T]
 GCCAGGGGCTGTATGGACGTATCTCATGCACTCCTTTCTAGTTGGTGTACTGAGA
 GGCAAAGAGAAGCCAGATAACTTCCCAGTTACTGGACTGTAAATGACGGCACCAAGTAC
 TGGCACCTGCCCATCCCTTCA GTGTGTCA GTGCCACTCCATGATTAGGAGAGAT
 ATTTGTCA GGGAGTGGGCTTGACCTGAACCTGGAAAGAGTGGTGGGTGGGACATGAACA
 ACCAGGTACAGGGCAGGGCAGCAGCAGAGGGAAAGACTTCATGCAGCTTGTGATGTT

221960 CCAGTTGTTTAATGAAATGAATCACATTACACCCATCTTGTCTTGAACTTCA GTGGC
 TGTCTCCACGTGGCTATGTGACGTGACAACCCAGTGAGCACATTACAAAGGAAGAAAGT
 CCCCGCCAATGCCACGTGAAACACAGGGTGAGGGCTTCGTTGCACAGGAAGAAAACGTC
 CATATTTCTCGGTACACCTTCTGTCTCCACTTCTGCCCTGGGTTCTCTGCCAGT
 GTCCCCACCTCTGCCCTGCCAATTCA GTGACATGAAGATCTGTTATGTGCCAGG
 [A, C]
 TTGTCTCAATAAACATTCTCCTAGCAATTAAAGGAACAAACTTCCATATTAAAAACT
 TTTGTGGTCTCAGGGTAAACA ACTGTGGGTATCAGGAAGACCTGAAGAAATGGGAATC
 TATACAAAAGGAAGGCAAAGTCCACTGTGAGAAATGTGGTTCTCTGTAAAACATGC
 TGACAGAAGCCCATACTAATTAGAGAAACAGTGGCACAAAACAAGATGCACAGTTG
 AGCGTGCCTGTCTAGAAGGCTGGGAAGGAAGAAC TTGAGTGAAGGCACCACAGGATTG

222673 ATGAGAATGGAGGGCAGGGTAACA ACTCAAAGAGCCATGTGACATGCCAGGTCCA
 AGGCTGAGCATTCTGTGCACTTTCTGTTCTTAATTCTGTGACAGCCCTCAGGGTAAGG
 ACTGTTATTACCCCTAACTTGGCAGGTGAGGAAACTGAGGCTCACAGAGGTTAATGACT
 TGCCCAACACCACTCAACCGGTGAGGAGGAGGCTGCAATAAAAGACTGATTGAAATGTT
 AAATGTTGCTTTGCTCTGCTCTGCCACATCTTACATGTATAATTAAAAAAA
 [A, C]
 ACACACACACATAGT GATTATCATTCA GCACTGGCAGATTGTGCCCTGCACTCTCACTT
 GTGTTCTGAAGGCAACTTCTGCACGTGATGACATGTGCCCTGTTAGCCACTC
 TTGACTCGACAAAGAAATTGTGATGGTTTGTAAATCTTGTGTTCTTGTGTTTTGT
 TCCTTCTACTATGCCACACTGTCTATGTATAATGATTCTGTAAATTAAAAAGGAAGG
 AGGCCTTGCAGTGAGCACCTGCGCAGTCTCCCTTTCAAAATTAGCAAAAGCCGGG

223053 CTGCACGTGTAGCTGACATGTGCCCGTGTGTTAGCCACTCTGACTCGACAAAGAAATT
 GTGATGGTTTTGAAATCTTGTGTTCTTGTGTTCTCTACTATGCCACAC
 TGTCTATGTATATAATGATTCCCTGTAATTAAAAAGGAAGGAGGGCTTGCA GTGAGCACC
 TGCGCAGTCTCCCTTTCAAAATTAGCAAAAGCCGGGACTATGTATGGCTCACCT
 CAGAGGAGGCCAGTGGACAGGGTGGCTCAGGACCGAGCTGCTAACTAGATTGCTGCCAG
 [T, C]
 GGACTCAGCCTCTGTGAGCCCATTGTTAGGGTCTAGGGGACCCAGGAGCCTGAGGGCAG
 CCCGAGATGGCAGTCTGGAAAAGAATTCAAGGTGGGTGTGATCAGGGATAGAGCTCT
 CTAGTGTACATCACACAGGAACCCATGAGTGGTACCGGCATGTGCTCTAACCTCATCCT
 GCCTGTTGTTCACACTCCTGAGGATAGTAAAGTAGTGGTCCCTGTTCAACACTGCAC
 CGATCAAGTTCATCTGTGTTACGATTCA TAGAAAGATCTGTGATTCTGCATCT

223881 AAGGAACAGGGAGGCCTCCAAAAGGGGTGCCATCTGGACTGAGTACTAAATGATGAGAA
 ATGGGTTAGAGAAAGAGGAGGGGAGTCTCTAGGCCAAGGGTTAGGATATGAAGGCCAGCA
 TGGGGAGGCCACAAGCCAATTGGTGTCTCCAAATATAGAGTTAGGCCAGAGAGAAAGC
 AGCAAGGGCAAGCCTGGAAAGGAGCTTGGCAAGCTGGGCCAGACCTGGACCATCAGG
 TTAAGGAGTGTGGACTTCTCCTGGATGCAAGGGAGGCAGCATTCTAGGGTTAAACC
 [A, T]
 TAGGCCTGGTTCAGAAAAGATCACCTGTGTTGCCCTGGACAGAGTGACCCCTGGAGGC
 AGGGGCCAGCAGGAGGCATCGAGGACATTCAACAAAGCCACACAGAAGCCTGAATCGGG
 GGAGTGGCAGACCGGAGAATCACTTAGGAAAATACAGTCAGCAGGACCCAGGACTGAT
 TGTGAAAATTAACCATCACACCTGCCACCCAGGATGGTCTAATGCTTCCATC
 CTTAGCCAGCTCGTCAAGCAGAAGTACAAGTCATCTCAGCGAGGCTGAGTGAATC

224236 GGAGGCAGGGGCCAGCAGGAGGCATCGAGGACATTCAACAAAGCCACACAGAAGCCTGA
 ATCGGGGGAGTGGCAGACCGGAGAATCACTTAGGAAAATACAGTCAGCAGGACCCAGGC
 ACTGATTGTGAAAATTAACCATCACACCTGCCACCCAGGATGGTCTAATGCTTCC

	TCCATCCTTAGCCAGTCCTCGTCAAGCAGAAGTACAAGTCATCTCAGCGAGGCCCTGAGT GAAATCCTCAACTGACAAGAGCCAAGTTCCCATTGGCTGGCCCTGAACAGTCCTG [G, T]
	GAAAGTGTCAAGCCCTCGTCAGGGCGCACCCGTCAACCACCCGCTGGAAAGCGGGCCA CTGACTCAGAAAGGAATGTGGCTGGATGCCGAAGTCAGAGTGTGATTCTCTACCCCTG TGGCTCAGTCCCTGCTGGACTATAGATGGATGGAGTGTGCACTCTAGGGTCATTGCA CCTCCTTCTGAGTTGCAACCTCCACCTCCAGTACGCAGGGTTCGCAGGAGGGTGG GGAAGCAGCTGATTCCAGAAGTCTTACCTCTCCTCATCCACCAAGCCTCAGAGGTGCTT
224238	AGGCAGGGGCCAGCAGGAGGCATCGAGGACATTCAACAAAGCCACACAGAACGCCTGAAT CGGGGAGTGGCAGACCGGAGAACACTTAGGAAAATACAGTCAGCAGGACCAGGCAC TGATTGTGAAAATTAAACCACACCTGCCACCCAGGATGGTCTAACGCCTCCT CATCCTAGCCAGTCCTCGTCAAGCAGAAGTACAAGTCATCTCAGCGAGGCCCTGAGTGA AATCCTCAACTGACAAGAGCCAAGTTCCATTGGCTGGCCCTGAACAGTCCTGG [A, G] AAGTGTCAAGCCCTCGTCAGGGCGCACCCGTCAACCACCCGCTGGAAAGCGGGCCACT GACTCAGAAAGGAATGTGGCTGGATGCCGAAGTCAGAGTGTGATTCTCTACCCCTGTG GCTCAGTCCCTGCTGGACTATAGATGGATGGAGTGTGCACTCTAGGGTCATTGCA TCCCTTCTGAGTTGCAACCTCCACCTCCAGTACGCAGGGTTCGCAGGAGGGTGGGG AAGCAGCTGATTCCAGAAGTCTTACCTCTCCTCATCCACCAAGCCTCAGAGGTGCTTC
225653	AGATGGTACCTGGAAAGCACCTGCTGAGCCCACCAGGGTCTGGCTCTGGAAATGGCCAGG AGGAAGTGCAGGATGTGGCCACAGGAAGAGCTGTGACTGGAGACATTGAAAATCAGG GTAGGACAAAATCAGGGTGGCCGGGCTGGCCAGTGGGAGTAGCTGGTCATGCCAAT GGAGAGGTATTCAAATGGCCAAGGAGTAACATGTCACTAAAGTCCATGTGGGCACG CAGAGCCTGCTCCAGCCACCTGAATATCCACCAAGCAGTTGCACGCTCTGTTCCCT [T, C] CCCCCCCCCTCTCTCTCTCCCTGTCTCTCTCCCTGTGCCCCCTTTCTTCCCTGTACT CCTCCTCATCTCTCACCTCTATTTCATTTCCTTCCGTGCCCTCCCTGTGAGGTCT GACTTGAGTGTGCCCTACACATATCTAAACAAAGTCACTGAAATAATGTGTTCTCAGTT ACTGGGAGTATGTATTACATGGTGCAAGCTACTAGTTCTATGTTGAGGGAAATTAGCAGT TCCCTAGCAGAGTTGAGACAGTCTGAAATAGATGATCACCCATGCTCCCCAGCATCAGG
226563	AACAACCTGAAAACCTCGGCACCCAGTAAAGTTCTCACTCACGCAGTACATCCAGCA TGGTCCGCAGGGCTCAGCTCACAGACCCAGGCCACATGGCCTCTGCAGTCAGTGT GTAGGGAAGGCCAGGCATCTGAGAACCCAGGAGGATTGGCAGGAGGGTTGGCAGGAGA GGCTGAGCAAACCTCCTCCGTGAGAGGGTGTCTCCCCACCTCTCAGGGGTATCTGG GCAGACCCCTGCTGAGCCCACCATGGTCTGGCTCTGAGATGACCAGGAGGAAGTGCAGGA [G, T] GGGGAAAGGGGATGTGAAGAGGGAGTAAACCCCAAGGTAGAGCCTGAAATTGACACACAT TCACTAAACCCCAATTCCCTGGAAAGTAAGTCACACAGCCACAGCTAACCTGGCTAA CTTCTCCTGGAGGACAGAGGCCCTGCTCTCATGTTCTCCTCAGTCCACGGCATCC CGGCCAGCGTTAACTAGAGTGAGGGTGTGACTCATAGGAACGCTTAACACACAA CCCTGCCACATAGCTGTGCCACGTCAAGGCTGACCTACTGGCATATTCTAGAAATTGGA
227365	GGAGGTGACCACTGTCCGTTCTGTGATAATCATCTTCCAGCTTCTTTAGTTATCTAA ATTTATATTCTAAATGTGTCACACATGGTTACTTCTCTGTTGAACTCCATAT AAATGGAACCATGCTGCGGGTGTCTTCAGATTATTCCTACACTCAGTATCTGATT TGTAAGACTAGTCATATGGGTATAGTCATACCTGTTCTTCTCAGTCCATGGATATCCC CTTGTATAACTATGCCACGATGTATCCATTCTGCTGTTGACAGCCAGCATTTGGGTTAA [G, T] CCCCATTGGAGATATTCAAGCTGTGCAACTGGAATCATTCTGGATATGTTCTCTGTG CACCTGTGAAAGTGTCTCTAGCGTGTACTCTAGGCCACTGTACTTCACCTCCTTCTA GATATCACCATACTCTTCCAAAATTGGTGCAGCAGCTTCTGGAAACAAACAGTGTG GAGTTCCCTAAATTCTAATTCTTACTAACACTGTGACTATAAAACCCCTTTGACAAA ATGCTTTCTGCAACTACTGAGGGTTTGCCTTCTATTGTTATTACGGTAATT
228457	AATTGTCCAATTCTACAAAGTTGTCTAATTATTGGCATATACTTGTTCATACTCTTC CTTATAATTCTTTATTGTAAAGTCAGTAGTAATATCATCTCTTACTATTCTTGT TAATTGAGACTTCTAAAAAATTCTTGTGAGTCAGCTAAAGGTTTGTCAATTGTG TGATTCTTGTGAAAGAACCAATTGGGTTTGTGAGTTACTCTATTGCTTTCT ATTCTTTCTATTCTACCTGAGTTAATCTTACTACTGCTTGCCTGCTGTTGG [G, A]

TTTAGTTGCTCTTCTTTACTATGTGTTATGGTGAAAGATTAGGTATTGATTGAAA
 TTTGTTTATTTATTTATTTTTGGAGATAGAGTCACACTGTCACCAGGCTGG
 AGTGCAGTGGCTACTGCAACCTCTGCTCAGGTCACGCCATTCCCTGCCTCAGCC
 TCCCAGTAGCTGAGACTACAGGCGCAAGCCACCACCCAGCTAATTTGTATATTA
 GTAGAGATGAGGTTACCATGTTGCCAGGATGGTCTGATCTTGACCTGTGATCC

228488
 TATTGGCATATACTTGTTCATACTCTTCCCTTATAATCCTTTTATTTGTAAGTCAGT
 AGTAATATCATCCTCCTTACTATTTAGTAATCGAGACTCTAAAAAATTTTTGTT
 AGTCTAGCTAAAGGTTTGTCAATTTGTTGATTTTTGGAAAGAACCAATTTTG
 GGTTGTTGAGTTACTCTATTGCTTTCTATTCTCTTCAATTAATTCCAGTTAATCT
 TTACTACTTGCTGCCCTGCTTGGGTTAGTTGCTCTTCTTTACTATGTGTT
 [A, G]
 TGGTGAAGAGATTAGGTATTGATTGAAATTGTTTATTTATTTATTTTTGAA
 GATAGAGTCACCTGTCAACCAGGCTGGAGTGCAGTGGCTACTGCAACCTCTGCTCT
 CAGGTTCACGCCATTCTCTGCCCTCAGCCTCCGAGTAGCTGAGACTACAGGCGCAAGCC
 ACCACACCCAGCTAATTTGTATATTTAGTAGAGATGAGGTTACCATGTTGCCAGG
 ATGGTCTCGATCTTGACCTGTGATCGCCTGCCCTGCCCTCCAAAATGCTGAGATT

228531
 TATTTGTAAGTCAGTAGTAATATCATCCTCCTTACTATTTTAGTAATTCGAGACTTC
 TAAAAAATTTTTGTTAGTCTAGCTAAAGGTTTGTCAATTTGTTGATTTTTTT
 GAAAGAACCAATTTGGGTTGTTGAGTTACTCTATTGCTTTCTATTCTCTTTCTATT
 AATTCAGTTAATCTTACTACTTGCTGCCCTGCTTGGGTTAGTTGCTCT
 TCTTTTACTATGTGTTATGGTGAAGATTAGGTATTGATTGAAATTGTTTATTT
 [A, G]
 TTTTATTTTTTTGAGATAGAGTCACCTGTCAACCAGGCTGGAGTGCAGTGGCTCA
 CTGCAACCTCTGCTCTCAGGTTACGCCATTCTCTGCCCTCAGCCTCCGAGTAGCTGA
 GACTACAGGCGCAAGCCACCACACCCAGCTAATTTGTTGATATTAGTAGAGATGAGGTT
 TCACCATGTTGCCAGGATGGTCTGATCTCTGACCTGTGATCCGCCCTGCCCTCAGCCT
 CCCAAAATGCTGAGATTACAGGCATGAGCCACTGTGCCCTGCCCTGTTCTTTTAAATGT

228665
 TTGGGTTTGTGAGTTACTCTATTGCTTTCTATTCTCTTTCAATTAAATTCCAGTTAA
 TCTTTACTACTTGCTTGCCCTGCTGTTGGGTTAGTTGCTCTTCTTTACTATGT
 GTTATGGTGAAGATTAGGTATTGATTGAAATTGTTTATTTATTTATTTTT
 TTGAGATAGAGTCACCTGTCAACCAGGCTGGAGTGCAGTGGCTACTGCAACCTCTGT
 CTCTCAGGTTACGCCATTCTCTGCCCTCAGCCTCCGAGTAGCTGAGACTACAGGCGCA
 [A, C]
 GCCACACACCCAGCTAATTTGTTGATATTAGTAGAGATGAGGTTACCATGTTGCC
 AGGATGGTCTCGATCTTGACCTGTGATCCGCCCTGCCCTCAGCCTCCAAAATGCTGAG
 ATTACAGGCATGAGCCACTGTGCCCTGGCTGTTCTTTTAAATGTAAGCATTAAATAGCT
 ACAAGTTCTCTAAGCACTCCTTACTACATCTCATAAGTTGTTACGTTGTCCT
 TATTTTCAATTATCAAAGTGTATTTCTCTGTAATTCTTATTTGACCCATTGGTTA

230490
 TTGATATCATTCTTACTCCAATACAGTTGACCCACCTACATCCTTGCTATTAA
 TTTCAAGTATGTTATTTCTGTATGTTATAGGCACAATTGTACAGTTATAAACATATT
 ATTTTATACAATTGCTTTAAAATCAGCTAACAGAAAGAAGGAGAATAATGTATATTATA
 CTGCTCTGCTATAATTACATAGTTATCTTGCCAGTGCCTTTTTGGTGTAGATGTG
 ATTACCATCTGGGTCACTGCTTCAGCCTAAAAGCTTCTTACCTTTGTAGAGTG
 [A, G]
 GTATGTAGCAATGAATTATCTGTTTGTGTTATCTGAGAATGTCCTTATTTGCCCTCGT
 TTTGAAAAGTGGTTTGTGGATATACGATTCTTGTGTTACAGTTGTTTAGCAC
 ATTGAATATGTCATTCACTGTCTGCTGGCTTCTTAGCTCTGACAAAAAGTCAGCTGT
 TAATCATATTGAAGTCCCTTGTACACGAGTAAAAAAATGTTGCTGCTTCAAAT
 TTTCTCTTGTCTTGTATTTAGTAGAGTGCACCTGGATCTGTGTTAGAGTG

230976
 ATATTGAAGTCTTGTACAGAGTAAAAAAATGTTGCTGCTTCAAATTTC
 TCTTGTCTTGTCTATATTAGTAGAGTGCACCTGGATCTGTGTTAGATCTTC
 CTTGAAGATTGTTGAATTCTGGATGTACTGATTAATTGTTAATCAAATTAGGAAGT
 TTTAGCCATTAACTCTCAAATAATTCTGTTCTTCTCTTCTGGTGT
 TCTACTGCACATATGGGGTGTGCTTAATGGTGTACACATTTCTGAGGTTGTTCA
 [T, -]
 TTTTTTTGGTTCAATTCTCCCTAGTAAACTAGCTGCTCACAGTCTAGCTTGT
 GCTCTCATGGAGCTACAGGCCCTCTTAATTACTTACCAACCAAAATGTTGCTATTGTTA
 AGAGTACTTTAGGCTAAACTCTCTCATACTGTTCCAAATTCTCTCAGTCAGAGCT

CTCCATTAAATGGCTGTCTGCCCATGGCAAAATCTCCAAGCCACTGCTCCAGAGT
 TTGGTGTGGGCATAATGGCCAGTCTCTTAGAATGACAACCTAGTTGTAATTCTAGCC

236111 TCCCCGCTGGAGGCTCAGTCGACCATAAAATGCCACATTGATATGCAGATTCCCTGA
 ACTCTCCAGAGAGGAGCTGGCTACCAAGGGAAACAAAGGCTGTTCAGAATGTGCTGG
 ATCCATTCCCCATAAGTGATGTTAACACTAAAACACAACAGCTCTCTTCATGGCTG
 GTTTATGGCTCCCACCAAGTGTGTTGGAATTGTGTTGTCCTATTGGCTTTA
 CTACCTTAAAGTTCTTGAGAAGCCTGTTGGCTGGCTGACTCCAGGGCT
 [T, C]
 GTTGTGAAAGGCTGGAAGGTTGGCGACTAGGAGCCTGGCCATGACCCAGTCCTAAT
 ACCAAGGTAACACTGAGCTCAGTTATGTGTTCTCCTGGTGTACGTGCTTAGGGGG
 ATTCTGACACACAGGTGACCTCCAGGGGCAAAGACTAGGATCACACACAGTCTAAAAC
 TTTATTCCACAGGACATAAATTAAAAAATAGATAGATAGATAGATAGATACAT
 ACATACATACATACATAGATACATAGATACATAGATAGATAATTCCCCGTGCC

236317 GCTTGGATTGTGGTTGTCCTCATGGTTTTACTACCTTAAAAGTTCCCTTGAGAA
 GCCTGTTGGCTGGCTTCTGCTGACTCCAGGGCTTGTGAAAGGCCCTGGAAGGTTGG
 CGACTAGGAGCCTGGGCCATGACCCAGTCCTAATACCAAGGTAACACTGAGCTCAGTT
 ATGTGTTCTCTCCTGGTGTACGTGTTAGGGGATTCTGACACACAGGTGACCTCCAG
 GGGGCAAAGACTAGGATCACACACAGTCTAAAACATTATTCCACAGGACAATAAATT
 [A, -]
 AAAAATAGATAGATAGATAGATAGATAGATACATACATACATACATAGATACATAG
 ATACATAGATACATAGATAGATAATTCCCTGCCAGTCCTCAAATCTCAGCATGAAGCAT
 TATCTCCCTGGGGAGAAACATGAAAAGTCTCCAAAGCTGATGCCCTTACCTGGA
 AGTTTGATGAGGTGTGTTGGCAGCCCAGCAGGAGATGTCGGCTGTGGGTGGTGA
 CAGGGAGGCCAATTCAAATGCCCTGTTGTCAGTGTATGGATTCAATTCTCTCC

236323 AATTGTGGTTGTCCTCATGGTTTTACTACCTTAAAAGTTCCCTTGAGAAGCCTGT
 TGGCTGGCTTCCCTGCTGACTCCAGGGCTTGTGAAAGGCCCTGGAAGGTTGGCAGTA
 GGAGCCTGGGCCATGACCCAGTCCTAATACCAAGGTAACACTGAGCTCAGTTATGTGT
 TCTCTCCTGGTGTACGTGTTAGGGGATTCTGACACACAGGTGACCTCCAGGGGCA
 AAGACTAGGATCACACACAGTCTAAAACATTATTCCACAGGACAATAAATTAAAAA
 [T, -]
 AGATAGATAGATAGATAGATACATACATACATACATAGATACATAGATACAT
 AGATACATAGATAGATAATTCCCTGCCAGTCCTCAAATCTCAGCATGAAGCATTATCTC
 CCTGGGGAGAAACATGAAAAGTCTCCAAAGCTGATGCCCTTACCTGGAAGTTG
 ATGAGGTGTGTTGGCAGCCCAGCAGGAGATGTCGGCTGTGGGTGGTGAAGGGGA
 GGCAATTCAAATGCCCTGTTGTCAGTGTATGGATTCAATTCTCTCTGGAAAG

236325 TTGTGGTTGTCCTCATGGTTTTACTACCTTAAAAGTTCCCTTGAGAAGCCTGTTG
 GCTGGCTTCCCTGCTGACTCCAGGGCTTGTGAAAGGCCCTGGAAGGTTGGCAGTCAGG
 AGCCTGGGCCATGACCCAGTCCTAATACCAAGGTAACACTGAGCTCAGTTATGTGTT
 TCTCCTGGTGTACGTGTTAGGGGATTCTGACACACAGGTGACCTCCAGGGGCAA
 GACTAGGATCACACACAGTCTAAAACATTATTCCACAGGACAATAAATTAAAAA
 [G, -]
 ATAGATAGATAGATAGATAGATACATACATACATACATAGATACATAGATACATAG
 ATACATAGATAGATAATTCCCTGCCAGTCCTCAAATCTCAGCATGAAGCATTATCTCC
 TGGGGAGAAACATGAAAAGTCTCCAAAGCTGATGCCCTTACCTGGAAGTTGAT
 GAGGTGTGTTGGCAGCCCAGCAGGAGATGTCGGCTGTGGGTGGTGAAGGGAGG
 CCAATTCAAATGCCCTGTTGTCAGTGTATGGATTCAATTCTCTCTGGAAAGCA

236345 TTTTACTACCTTAAAAGTTCCCTTGAGAAGCCTGTTGGCTGGCTCCTGCTGACTCC
 AGGGCTTGTGTTGAAAGGCCCTGGAAGGTTGGCAGTCAGTTATGTGTTCTCCTGGTGT
 TAGGGGATTCTGACACACAGGTGACCTCCAGGGGCAAAGACTAGGATCACACAGTC
 TAAAACTTATTCCACAGGACAATAAATTAAAAAATAGATAGATAGATAGATA
 [G, C]
 ATACATACATACATACATACATAGATACATAGATACATAGATACATAGATAATTCC
 CCTGCCAGTCCTCAAATCTCAGCATGAAGCATTATCTCCCTGGGGAGAAACATGAAAA
 CTGTCTCCAAAGCTGATGCCCTTACCTGGAAGTTGATGAGGTGTGTTGGCAGCCCC
 AGCAGGCAGATGTCGGCTGTGGTGGTGAAGGGAGGCCAATTCAAATGCCCTGCT
 TGTCAGTGTATGGATTCAATTCTCTCTGGAAAGCAGTTCCACCATAAAATGGT

236534 TCTGACACACAGGTGACCTCCAGGGGCAAAGACTAGGATCACACACAGTCTAAAACCTT
 TATTCCACAGGACAATAAATTTAAAAAATAGATAGATAGATAGATAGATACATAC
 ATACATACATACATAGATACATAGATACATAGATACATAGATAGATAATTCCCCTGCCAG
 TCCTCAAACTCAGCATGAAGCATTATCTCCCTGGCGGGAGAACATGAAAACAGTCTCC
 AAAGCTGATGCCCTTACCTGGAAGTTGAGGTGTTGGCAGCCCCAGCAGGCA
 [C, G]
 ATGTTCGGCCTGTGGTGGGTGACAGGGAGGCCAATTCAAATGCCCTGCTTGTCACTG
 CATGGATTCAATTCCCTCTCCCTGGAAGCAGTTCCACCATAAAATGGTGAGCCTCCA
 ACAGCTGGGCTGCCTTGCATGGCCTCCCGTGTGAGAAGTGGGCTTCCCGTCC
 GAGTGGACAAGCAGCAGCCGAGGCTGTTGGGAAGAGGCCGAGGAATTCTGCCCGGGA
 GCGACGTCAGCATGAGGAGTCCTCAGCTAACAGACAGTGTTCATACCTCAGTGT

 238076 ATGGGTCTTGAACTCTGGCTTCTTCTTCTTCATTCTCATTCTGAAACCACCCCCCTG
 TCTGAGGGCGAGGCTGCCCTGAGCCTCTGACTCACTGCTGCCACACCTGCCAACCC
 CTCCCCACTCCACAGCACCGCCTCATCCCTCATTCTCTCCAGCTGGCGGGACAG
 GAGTCAAACCCCAAGACTGCCAACAGCATGCTCAGGACCCATGCTGCCCTCCCC
 AGCCTGTCCTCACACAACCTGCCCTAGGAAGCCAGACCACAGGACCTGAGCACGCTG
 [A, G]
 CTTGCCTGGGAGAACTACTGTCCTGTTCCCTCAGGCCCTGGGACCCCTGTTACTTG
 GGTATCCTCCAGCAGGCTCCCTGCCAGCCATGGCTAATGTTAAAAAAAAATTAGGAC
 TCTCCCACAGGGAGAGGCTCCTTAATAGGATCCAGATGCTCACTTTAGAGAGGCTGG
 CCTGCAGGAGATACCAAGTGGGGCCATCTCAGTCTCAGCTGTCTCCCTGCCACAG
 CCCAGCCTGCCAACACAGCTGCCATATTCAAAGCAGCTTGTCAATTCTCAGCGACAA

 239545 AGGAGCAATGAGCCCAGGGAGGGGATTAACAGAGGGACGCCATGCTGCAAATTAGCA
 GATACCAGCTCCAATGTAACAACCTGTGTAATTGGCTTTGTTTATTAAGAGGCAT
 GATTCTCTTAGCCAAGCCTCAAATGCCAGATGGGCTTAAACTTGGAAGATAACAGAGA
 TTAACATTAACAAGAAAAGGACAGACTGGTAGCTTGAGGCTGGTATTAGCAG
 GCCATGTGTGGGTGTGCCAGAACCTGCACTGGAGACCAAGCCAGCCTTGGAAAGTCC
 [G, A]
 TCCCTGAGGCTTCTCGTCTATTGGATGGTACCTACATTGGCTCAAGACTGACTTT
 CCCAGCATAAGACAAACTGAATCCCTGAAAGCACCGCTGCTGGAAATCCCTTATGCA
 GAAAAAGCCAGTTGGCACTAGGAAAGTCTGGCTGCCAGCTGATCTTATTAGTGA
 ATAGAATTATTAGAATGGGCTAGATGACAACACATGCCACAGTTGGGGACAAAGA
 GGGGACCAAGTAGACTTGGCTGGAGGGTCAAGTACATCTGACAGCAAGGCCAGGG

 247765 AGACTTGCTCTGGCTCAAGGGCTCAGAAAAGTTAATCTGATGTTCTCTGACTCTGG
 GTCATTAACTCATTTCTAAAATGGTTCTTGCTCAGAGCAGAAATTGAGGTTGTAA
 ACTCCAAGAAGAGAAAAAAAGGTCTACACAATTGTGTTATTGTGATTGAACAGTTTAT
 TCTCAAAGATTAAATTCCCAAATTGCTTCTAGGAATACACGGTAATGCAACACACGG
 TAAGATGCCAATTAAGCTCCCTGCGTTAGGGAGTATCACTCACGGTGATAATTGGGAAAC
 [A, G]
 TGACAGAGAAATGGGACGCCATCTCAGAAGAGACGAAGAGGCTTTCAATTACTCTGGA
 ACTTTATTATTATTGGCTAGGGTAATGCATTGCCCTCTTAAGTGTCTGAAATTAAAG
 TGGACGTTGGAAACATAGCCCTCTATGAGCTTATTGTTACTGAGCATAATTGG
 ACAATTAAAAAGTTACTTTAAATGTGTCATCTTGTCTTCTTAAACTGTAATCA
 CATCAATAGGAACCTTGCTGTTGAGATTATTGCTTAGGTTCTAGGTTCTTCCAGCCT

 250858 GATAGCAGGTGGCCCTGGTCCACTGACACTTGCACAGGCTGAGCTGACCAACAGACTGG
 CTAGCATGGCTGGAGTCTATGCCAGGCCAAGCCGACTGTCCTCTGAGTGGGCACCA
 GCACTGACTGTGCTGCCCTGCCAGACTCAGCTAGAACAGGAGTGGCTGAGAACAGTGG
 GGGCGGCAGAGGCCCTCTGGAGGCCAGGTGTTGTGCCCTAGCACACTTCTCTT
 GGGGACCTCAGCATGGGTGTCAGCTGGAGGCCAAGTCAACTACTTGGCCTCATTTAGGG
 [T, G]
 TGTGGGGGGTGTAGGGAGAGAGGCCAGAAGGAGTAATCTTAAAGAAATGAGGTAGGCAA
 GAAACCTGGGTCTGCAGAGCCTGAGAACCAATGAAGCAATGAAGCAATGAAAGGCCCTGAGGTT
 TGGAAAGCAATGGCCTCTCACGTTAAGTTACTTGGGAAGAATTCCATTGCTTAC
 AAGGGATGATGTCAGCTTAAGCCTTAGCTGAATCAGCCCTCTAAACTGTAACAGA
 CATTGATAGGCCAACACAACTAGAAATTGGCTCCCTGGCTCCCAATCCCTGTCCTTT

 251536 AGAGGAGCTCTGCCTGGGGCAGAAGAGAGGGAGAAAGTGAAGGAAGTGCTTCCAGT
 CTGGAGGAGGAGACAGAGAGGCCAACGGGAGTTCTCTAGGGCAGGGCAGGG
 GACAGCACAAACAGGAGGGGACTGAGACTCTGCCAAAGGATCAGAGTTGCTCTCCAAG

GCCAGCTGAGGTGAATCACACCAAATCTCAAACATGCTGCCCTCCTGCCACTGCCA
 GGGATCTGATCTAGCCACACTGACCAGCAGGCATAATTGGTCCCTGCCGGGTCTGTCC
 [A, G]
 GGGCTTTGCAGTCGCCAGCTCCACACTTGTGCCAATGGACTTCTCAGACTCCAGAG
 TTACTGCAACCTTAGTTGGGTGCTGGGCCACTCTGCCCTGGACTGTAAAACCAACC
 TGAAATGGAAAAGTGGGTGGCATGGCCCTTACAGCTCAGCCTCCAGCACAGGCTCTC
 CTGATGGGCAGGGAAAGGGCTGTGTGATGTGGCCTAGGGCTCGTTGCATGCCAGCAT
 TGCCCCATAAAAGTCCAGGAAGCTGTGAGGGTCCCTGCCAAAAGACTGCGTGG

 252599 CCCAAATTGTCTGGGCCACAAGCCATGAGCCATGAATGAAGGGCTGATTGGTGA
 TGACAGTGGTGTCCCCAGGGCTTAGCACACAGTGGCACACAGTATGTGTTGTGATTGA
 ATCTATGCCAATAAGAATTATTCGTAGTGTACATAGCTGTGATGAAAAGACTATG
 TTTTCATGATCAGGACTCTTACAGCACAGCCCCCTAGGCCCTGGCTGTGGGGAGGTT
 TGGGCAGCAGTTAACTGGCCTCCAGGACCCAGAAGGCCCTGGGACCCAGGCC
 [A, T]
 GCCTCTGTAAGAGGCCCTTGAGCCTCTTCTCTAAAAGATAAAACACTAGCCATGCGAGG
 ATTTCTGAGATGCCCTGGACATCGGTCTCACTAACAGACTCAGACAGTCTCGATCCATCT
 TCCCAGGGACCAGGGCACAGCCATGGGTGTTCAAGGAGTTCTCAGGAGTGTGA
 AGGGGAGCACGGACCAGCACAAAAACAGAATTCTGAGTCTGAAATAAGGATTAGAACCC
 CCTTCTGCCATTAAACCTAAATAACTAGAAGATTGTTCTACTTCTTTAAAAC

 252647 GCTGATTGGTGTGACAGTGGTGTCCCCAGGGCTTAGCACACAGTGGCACACAGTATGT
 GTTTGTGATTGAATCTATGCCAATAAGAATTATTCGTAGTGTACATAGCTGTGATG
 GAAAAGACTATGTTTCATGATCAGGACTTCTACAGCACAGCCCCCTAGCCCTGGCT
 GTGGGGGAGGTTGGGCAGCAGTTAACTGGCCTCCAGGACCCAGAAGGCCCTGGGA
 CCCAGGCCCAAGCCTCTGTAAGAGGCCCTGAGCCTCTCCTTAAAGATAAAACAC
 [T, C]
 AGCCATGCGAGGATTCCTGAGATGCCCTGGACATCGGTCTCACTAACAGACTCAGACAGTT
 CTCGATCCATCTCCCATGGGACAGGGCACAGCCATGGGTGTTCAAGGAGTTTC
 TCAGGAGTGTGAAGGGGAGCACGGACCAGCACAAAACAGAATTCTGAGTCTGAAATAAA
 GGATTAGAAACCCCTTCTGCCATTAAACCTAAATAACTAGAAGATTGTTCTACT
 TTCTTTAAAACAAACTAGGCATTGTTGTTGTTCTTTGTTGTTGTTG

 252649 TGATTGGTGTGACAGTGGTGTCCCCAGGGCTTAGCACACAGTGGCACACAGTATGT
 TTGTGATTGAATCTATGCCAATAAGAATTATTCGTAGTGTACATAGCTGTGATG
 AAAGACTATGTTTCATGATCAGGACTTCTACAGCACAGCCCCCTAGCCCTGGCTGT
 GGGGGAGGTTGGGCAGCAGTTAACTGGCCTCCAGGACCCAGAAGGCCCTGGGACC
 CAGGCCCAAGCCTCTGTAAGAGGCCCTGAGCCTCTCCTTAAAGATAAAACACTA
 [G, A]
 CCATGCGAGGATTCCTGAGATGCCCTGGACATCGGTCTCACTAACAGACTCAGACAGTT
 CGATCCATCTCCCATGGGACAGGGCACAGCCATGGGTGTTCAAGGAGTTCTC
 AGGAGTGTGAAGGGGAGCACGGACAGCACAAAACAGAATTCTGAGTCTGAAATAAAAGG
 ATTAGAAACCCCTTCTGCCATTAAACCTAAATAACTAGAAGATTGTTCTACTTT
 CTTTAAAACAAACTAGGCATTGTTGTTGTTCTTTGTTGTTGTTG

 252783 CATGATCAGGACTTCTACAGCACAGCCCCCTAGGCCCTGGCTGTGGGGAGGTTGG
 CAGCAGTTAAACTGGCCTCCAGGACCCAGAAGGCCCTGGGACCCAGGCC
 TCTGTAAGAGGCCCTGGCCTCTTCTCTTAAAGATAAAACACTAGCCATGCGAGGATT
 TCCCTGAGATGCCCTGGACATCGGTCTCACTAACAGACTCAGACAGTCTCGATCCATCTCC
 CATGGGACCAAGGGCACAGCCATGGGTGTTCAAGGAGTTCTCAGGAGTGTGAAGG
 [G, A]
 GAGCACGGACAGCACAAAACAGAATTCTGAGTCTGAAATAAGGATTAGAAACCCCTT
 CTTGCCATTAAACCTAAATAACTAGAAGATTGTTCTACTTCTTTAAAACAAAA
 CTAGGCATTGTTGTTGTTCTTTGTTGTTGTTGTTGTTG
 ACAGAGTTCACTCTGCGCCAGGCTGGAGTGCAGTGGCACGATCTGACTCACCACAA
 CCTCCGCCTCCAGGTTCAAGCAATTCTCCTGCCCTAGCCCTGAGTAGCTGGACTAT

 253875 TAGGAGTTCAGCATCAACCACAGCCAGAGACCGCTGCTGACAGCAGGGCTCCTAGACTC
 ATTAGCAGTAGACAGAGGCCACCATCAGCATGACAGGAGCCAGCAGGCACAGAGCAGGC
 CTAGGCCAGGCCAGCACGGCAGTGCACATTCCCATCCACACATGATGTACATTACTG
 TCATCACTTGGGTGCCATCAGTCTCACTCTGGTGGAAAGATGGTGTCCCAGGCTGC
 AGGTGTGATGTAGGTGACGTGAGATCTGCATGGGCACAGCTGTGGCCTTGAATTATAAG
 [A, G]

TTGTCTCAAGGCCATCAGCTAGAGGACTGGTGTGCCCTAGTTATACCAAGTATCTAT
 GGATTGGTCTCATGGATTCCCTGCCAGTGCCCCGCCCTTGCCTACTCTGAGGCCAC
 AGGAGGGATGAGTTCAAACCTGTCAACAAGGAGCTAACGTGGTCTCATTGAGGAAGTAA
 AAGGAACGTGCCAGTTACTGCTGGGTGTGGATTCACTTACTTCCTCAGTGAGACCTGGC
 CTGGGCCACCAAGGCTCTCAGGATGTCCATGTCATGTCAAAACTCAATGCACACTCAA

254076 TCTCACTCTGGTGGAAAGATGGTGTCCCAGGGCTGCAGGTGTGATGTAGGTGACGTG
 AGATCTGCATGGCACAGCTGTGCCCTTGAAATTATAAGATTGTCTCAAGGCCATCAGCT
 AGAGGACTGGTGTGCTGCCCTTAGTTATACCAAGTATCTATGGATTGGTCTCATGGATTCC
 CTGCCAGTGCCCCGCCCTTGCCCACTCTGAGGCCACAGGAGGGATGAGTTCAAACCT
 CTGTTACAAGGAGCTACGTGGTCTCATTGAGGAAGTAAAGGAACGTGCCAGTTACTGC
 [T, C]
 GGGTGTGGATTCACTTACTTCCTCAGTGAGACCTGGGCCACCAAGGCTCTCCA
 GGATGTCCTCTGCATGTCAAACACTCAATGCACACTCAACCACAGGGCTGAGCTGGAGG
 AGCTTCCAGGCCTACCCAGTCATCCTCATCCATTGAAAACATTATGGAAACCCCTTT
 TAGAACAGCTGATCACATTCCATTTCAGCAATAGGATTGTGCGCTCCTGTCAG
 GCCCAATGGCGCTGGCTATCGTGTGTCATTCTAGCCCCTTGTCTTTCCACCTGG

254547 GAACCCCTTTAGAACAGCTGATCACATTCCATTTCAGCAATAGGATTGTGCGCTCC
 TCTGTCGCAAGGCCAATGGCGCTGGCTCATCGTGTGTCATTCTAGCCCTTGCTCTT
 TCCACCCCTGGTAAGGCCCTAAGGGCTTCCACCTGGCGTAGCATCATCAACTCCCTGT
 GCTTTTTTTCTTTGGCGGCTATCTCCATCCTTATAATAGTCTGTATAATAGGG
 GTCAGTTTACAGATGCACAAACTAAGGTTCTGGGAGGATAAGTGACCTCTGAGGCCAC
 [G, A]
 TAGCAGGAGCAGAATTAAGACCGGATGCAGCTCTGACCCCTGCGGCCAGTGCAGAATAGC
 TGCAGGGGCTGTTTCAAAGGCCACCCCTTGACCTCTGCCCAAGTCTCAGTAACCTG
 GCCTGCCTGTCCTCAGCAGGGAAAGAGCCAAGCAGGATGAGCACTGCCCGATGCCAG
 AACGCTGTCAGCACGCTCAGGCCGCTGCTCAAAGAAACTGCCCTGGGAAGT
 GCCACTGCAACCCAGAGGCCGTGGTAACAAAGCCCCGAGGCAGCATGCCCTTCAG

254892 GCCAGTGCAGAATAGCTGCAGGGGCTGTTTCAAAAGCCACCCCTGACCTCTGCC
 AGTCTCAGTAACCTCTGGCCTGCCTGCCTCAGCAGGGAAAGAGCCAAGCAGGATGAGCACT
 GCCCCCGCATGTCCAGAACGCTGTCAGCACGCTCAGGCCCTGCCGTGCTCAAAGAA
 CTGGCCTCTGGGAAGTCCACTGCAACCCAGAGGCCGTGGTAACAAAGCCCCGAGGC
 AGCATGCCCTCCCTGCTTCTGGGTTGTTATTCAGATGGCAACTGTGTGCGCT
 [A, T]
 GTGTACAGTTATTTGTCTTGGCTTATGGCCTCTGCTATAACACTGTCAAGGGCAA
 CTTTTAAGAAAAACTCTAGAAAATGTTGATCAAATTGTATGACTCTGGTTGCCAC
 CCCACCTCACCTAGCTCTGTCCTCATTTCTACAAACATCCCTCATTTCACTCCTAG
 TTATTCACATCTGAGAAATGGTCCCCACACACTCTCCTGCCAAACTCCAGGGAGGGCA
 GGAGGAACGCCCTGGGGCTCTTGGGGGTGTTGAAGGGACCCCTCGCACGCCCTTCAG

258431 GAGGTAGTCAACCCCTGAGAGCCTGAGGCTGGAGGGAAAGATCTGCCATGCTGTGGGCC
 CTTCGTGCAACAGCGGGTCTCATGGGCTGGACACAGAGGGCAGACTGGGCCAGC
 GGGCACAGCAGTGTGCCCCAGAAGGGTTGTCAGTGCCTCTAATAACCATCACT
 CTTGGTAAGTGTATGACACTATCTCAAGAACAGAAAGAACATATAGTCCATCCATGG
 TCTTTACAGTCACATAGCAGCATGACAAACAAAGTCATCCTATGGCCTTACAGTC
 [G, A]
 CATGGCAGCCTGACAAACATAAAGTCATCCTATGGGCTTTACAGTCGATGGCAGCA
 TGACAAACATAAAGTCATCCTATGGGCTTTACAGTCGATGGCAGCATGACAAACAA
 AGTCCATCCTATGGGCTTTACAGTCGATGGCAGCCTGACAAACAAAGTCATCCT
 ATGGGCTTTACAGTCGATGGCAGCCTGACAAACAAAGTCATCCTATGGGCTTTA
 CAGTCGATGGCAGCATGACAAACATAAAGTCATCCTATGGACCTTACAGTCACATG

261462 ACCCAGGAGGCAGAGGGTGCAGTGAGCTGAGATCACACCACTGCACTCCAGCCTGGCAA
 CAGAGACTCTGTATCAAAAAAGTAAAAAAGATTAGAAGTCAAGAGGATTGGGTG
 GGGTCACCTGTACGCTGCCAGGGAGCATACTAAACTGAGCCTGCTGTGACACACCTC
 CCGACAGAGGGAGTTCACACGCAGCCCTCCAGGGGAAGAGACAGAGACCTACAGCCA
 CAGGCAATGCACACCGGTGTCACTGCCTGCACTGATCAACCCATCATGCACAAATGCAGC
 [G, A]
 GACAAACGGGGATCGTGAGACATTTGAGAAAGCCAAGAGCACAAAGGGAGAACCAAC
 AGGAAGGAAAGAGCAACTGGCTGTGGGGATAGGAAACAAAGGAAAATTTAAATT
 TAAATCTAATAAAAAACCTTAGAGGGACTTGATAAAACATTCCATAAAATAAGA

ACAGGGTTATGAGAAAGGAAAATAGCCAAGAAGTATTCTTGGAAATTAAAAATGCA
 GTCACCAACATTAACCTTCCATAGAAGGAGCGAAGAATAAGTCAAGGAAGTATCCCAC

262167
 AACAAAGAAACTTAAGAGCAGGAATTACCAAAGGAATAACAGAAGAAAACCCCCAGAG
 CTGAGCTAAGATATAGACCTCAAAAAGAATGACCCACTGAGACAGAAGCAGGGGGAAAT
 GAAAAAAGACCCACAGTTGTATAGTGCCTATCCTTGTATTTCAAGAACATTAGGAT
 AAAGAGAAGATTCTAAAGCTTCCAGAGGTAAAAGACAAGTTATCAACAAAGGATCAGGA
 ATCATTGTTGGCAGATGGCATTAGCAACACTGGAAGGCAGTGAGTAATTGCCTTCACA
 [G, T]
 TTCTTTATTTTATTTTATTTTATTTACTTAAGTTCTGGGATACGTGTGCAG
 AACGTGCAGGTTGTACATACGTGTACATGTGCCATGGGTTGCTGCACCCATCAAC
 CCATCATCTAGGTTAAGCCCGCGTGCATTAGGTATTGTCTAATGCTCTCCCTCCC
 CTTGCCCAACCCCTGACAGGCCGAGTGTGTATTCCTCCCTATCCATGTG
 TTCCCATGTTCAACTCCACTTATGAGTAAGAACATGTGGTGTGTTGGTTCTGCTCCT

263806
 CTACTTGGGAGGCTGAGGCAGGAGAATGGCGTAACCCGGAGGGAGCTGCACTGAG
 TGGAGATCGTCCACTGCACCTGGAGACAGAGCGAGACTCCGTCTCAAAAAAA
 AAAAAAAAAAAAGTGGGGCATGGAGGGTGGAGGTGTAATCCAGCAAGACAGAAAAGGAA
 CCTAGAAAGAAGAAGAGCTGGTCAAAGAAACAGAAGAGCTAAGCCAGGTATCCAGTGAAA
 CAAAACCCGGCAGGACTGTGGGACAACGTGTAAGAACCTGGGAGAGAACATTCA
 [A, C]
 GTTAGAACAGAAAGTCAGAACGGTTCTGAAAAGCAAGTCTCAAGAACAGTTAATTCCA
 TTGAACAAAATAAGATGAAGAAACTGGAAGACCTCAGAGATATGATGAAGAACATGTAT
 GTGCTATCCCTCAATAAATTGAGGAGTAAAGGAACTGCTGAGAACAGGAAATTGCTA
 AACAGAAAAGACATCATAAAATTAAGCAAACTAAATATGTCACGATTTGAGCAATT
 AAAGGAAGATGAAGAACAACTTAACTATGAAGCTAAATAATCTCCTTCAAAC

265167
 GAATTAGGACTTGCAGAGTAAACAGAAACCCAGTAGATGGGAACTGCACCCCTGATAAAA
 TGTCTCTTACTGCCTTGAATACAACCAACATCACCAACAGCCCCGGCTATAAAA
 AACTTTTTCAATTATAAGGTCAAGAGTCTTCAACTGCCTGCTAACGAGTTGACCAA
 AACGTGTATTTCTGATATGTGGGTTGGAAAGACCTAAGATTCTCAAGCCCCAGGGTC
 AGAAGGATGCCGAGTGTGTTGAAAAGTCTCTGTATTCCACGTTGTATGAAGCTGCC
 [A, G]
 AGTTGCTCAGGTGTTCCAGGAACAGAGAGGTGGCGTGGCCAGCCTCCAGGGAGCCC
 AGATGCTGGCTGCAGGTGTCCTCACACCCGTGCTGAGTGTCCAGCCCAGCCAAGGTATG
 TCTGTTCTGTTGGCACCGCTAGTGGCCCTAAGGAGACATTACATCAGAGCTAGCGT
 CAACCCCTCCCTGTCCCTCACAGAGGACTCAGAACTTCTCTTCCAGAGTTG
 CTAAGGAATCCGCACCCCTGTTACCTTCTGTAACGTAAAGATAAAAAGTTTCCAGGA

265258
 TCACCAAACACAGCCCCGGCTATAAAAACTTTTTCAATTATAAGGTCAAGAGTCTT
 CTTCAACTGCCTAAGCAGTTGACAAAACGTGTATTTCTGATATGTGGGTTGGAA
 AGACCTAACGATTCTCAAGCCCCAGGGTTCAGAAGGATGCCAGTGTGTTGAAAAGTCT
 CTGTATTCCACGTTCTGATGAAAGCTGCCAAGTTGCTCAGGTGTTCCAGGAACAGAGAG
 GTGGCCGTGGGCCAGCCTCCAGGGAGCCCAGATGCTGGCTGCAGGCTGTCCACACCC
 [G, A]
 TGCTGAGTGCCTAGCCCAGCCAAGGTATGTCCTGTTGTCAGGCTAGTGGCCCT
 AAGGAGACATTACATCAGAGCTAGCTAACCCCTCTGCTCCTCACAGAGGAC
 TCAGAACTTCTCTTCCAGAGTTGCTAAGGAACTCCGACCCCTGCTTACCTTT
 GCTAACTGAAATAAAAAGTTTCCAGGACAAGTGGCCTGAGCCCTGTGATGATGCACA
 ATAATCACCGTGGCACAGAGCATCCTCATCGATGGCCGGCAGGGGTGGTCCCTG

267127
 CACATAGCTATAAGTGGCACATTCAAGGTTGACACCTAGGTTCTAAAGGAAGAATT
 CTTCAAGGGGGCTGGCAGGACATATGGGATATGGAGAACGAGAGAGCGGGGGCTGGAG
 AGAATGGCACAGAGAGGTGACAGGCCCTGGAGTTAGAACAGAGGTGTTGGTAGGGTCT
 TGCTCCCTGGCAAAGAGCACCAGACAGAGAGGGGGAGGGGTTCTGTCTGAGAGGTCT
 CCACCGGCCGTGTCCTCATCCTCTGCTGCTCCTCACATGCACTCACACAGGGCTTGG
 [T, C]
 GGGAACTCTAGGACCACGTGCAAGGGAAATGCCAGGAGAAGCCGTGTTCTGGGTATGA
 GAGCCAGCCGCTGAGCCAACTCACGTCCTGGAGGAAAGCCACCTCATGGTTAGGGAGTCA
 CCTTGACCTGCTGAGACCTTAACTAGTTAATGTCATGTGTTGAATTCTGCACATA
 TTTTTATGTTGAATTCTGCACAGTTTTTACTTCCCTAACGTTAAAGTAAAAAAA
 AAAAAGAAATGTGAGCAGGAACATAAACATATTCACTGTTAACTAGTAAAGTTAATGT

268343	TTATTAGGGTGTGCAGAGAATGGGTTATAATGGTTATTACAACATTTGAAGTGGCT GCCCTGAAGCAGGACAATTATGTTCCATTACAGTCACCTTATGAGCACCCCACACACA CAGTTCTGCCAGGAGGGACATCTACCCCTGGATCCTGTGGACTCCCTGGGATCAAACCCC TGGAGGTTCTCTGGAGAGAGATTGACCCCCAGAACCTCCACACACCCACACTCACC CCATGCCTCAGAGGGATGAAATCTGACCCTAAATTCAAAGAGTATTCTCTGCCATC [C, T] GGGGTGCTCCCTCCCTGGAGCCAGGCCAGGAAGGTGCCATTCTGGGCTTGACTCCTAT AGCAATTACAGGACAGAGGTTATCAGCCCCATTGACAGATGAGGAATGAGGCCAGGG AGAGAACGCCTGGGCTCCAGCAAGCAAGCAAGTGGGTGCTCTGCTCTGAGACTCCC CATGCCTGAAACAGCAGTGTGGGGAAACAGCACCCCCAGGCCCTCCGGCTATCTGTG AGCACTCATGCAGGGAAATAAGAGCAAAAGAGAGAATGGGAGGATTCTCAAACCAAGT
268640	ATCGGGGGTGCTCCCTCCCTGGAGCCAGGCCAGGCCAGGAAGGTGCCATTCTGGGCTTGACTC CTATAGCAATTACAGGACAGAGGTTATCAGCCCCATTGACAGATGAGGAATGAGGCC AGGGAGAGAACGCCCTGGGCTCCAGCAAGCAAGCAAGTGGGTGCTGCTCTGAGAC TCCCCATGCCTGAAACAGCAGTGTGGGGAAACAGCACCCCCAGGCCCTCCGGCTATCC TGTGAGCACTCATGCAGGGAAATAAGAGCAAAAGAGAGAATGGGAGGATTCTCAAACCA [C, T] AGTGAATCCAATCCCCATACTTTTCACACTGAGTGGAGCTCCCTCCCCATCTCTGAAG AGGAGAACAGACCCCAAGGTCACTCAAGCCTGGTAGCCAGGGCAGAGCTCTCAGCTAG AGCACCTCGCACTTGGATTTATTGTATGGTTCTCTGCTCTCACCTAGGCAAAGG GGTTGGATTCACTGGAGGAAAGTCCAGAGGAAGCAAAGGGAAAGCCTGTGAGCATGG AGTATTCTGTTAGTTACCAAGGGCTGTCCATGGCAGCCTGGACTCAGGGTCAAAG
269021	ATCAAGCCTGGTCTAGCCAGGGGAGAGCTCTCAGCTAGAGCACCTCGACTTGGATT ATTGTATGGTTCTTCTCTGCTCTCACCTAGGCCAAAGGGTTGGATTCAGTGGAGGA AAGTTCAGAGGAAGCAAAGGGAAAGCCTGTGAGCATGGAGTATTCTGTTAGTTAC CAAGGGCTGTCCTATGGCAGCCTGGACTCAGGTCAAAGGAAACTAGAGGCCATGCAT GTCTCAGTAGAACCTGGACAAAGCCTGTGTTCTTGTGTTATCTGGCACA [T, G] GTTTGTGAGTGCTAGTTGATGCCAGGACCCCCATTGGCTATGTCATGGTGGAGGG ACATGTGGACAAGTAGAGGAAGCAGAGATGATCGATGTTGAGGGGGTGTCCAGGGCTC TCAGAACACAGGAGACTGAACCCAGCCAGGGAGTGGTCAGGATAGTGCACATGCAGGAA GCCACGTGCCAGTAAGACCCAAAGCCCTCCACCCCTCCCTGAGAGCAGGCTGTG CCCAGTGGCAGAGGTGTCCTATTCTGCTCCATTAGGGTTGCACTACCATGATAGG
269429	GTGTCCAGGGCTCTAGAACATACAGGAGACTGAACCCAGCCAGGAGTGGTCAGGATAGT GACATGCAGGAAGCCACGTGCCAGCTAACGCCAAAGCCCTCCACCCCTCCCTGA GAGCAGGCCCTGTGCCAGTTGCCAGGGTGTCTTATTCTGCTCCATTAGGGTTGCA CTACCATGATAGGGCAAAGCAGTCATCATTCCATCAGTGCACACGTGTGAGCAGATG CTGCAAGCCAGCCCTGACAGCCCCACCGATCTGAAGAGGCTGGAAAGGGGGGGGG [C, A] AAGATTCTAGCTGTGGTTGTTGAGCCCCAAGGTGATGGTAGGCATTTAAGGAACGTGAG GTGGCGCAGGGTGTGCCAGAACGGGTGTGAGTGGGAAGGGATGAGGCTGGAGACATAAC AGGGCAAGTCAGGGAGGGCGCTGCTGGCTCAAGCCGAAGGCAGTGGAGCCCCATAA GATTCTCCAGCTACTGAGTGGGGAGGATTGGTGGGACATGATCGAGGCAATGTGTT CATCGGGGGTGTAAATGGCTTCTGAACACAGCAGAGGTGGTAGGAGTGGTAGGAGTGGAAAC
269739	GCTGTGGTGTGTTGAGCCCCAAGGTGATGGTAGGCATGTTAAGGAACGTGGCAG GGTCGCCAGAACGGGTGTGAGTGGGAAGGGATGAGGCTGGAGACATAACAGGGCAAGT CAGGGAGGGCGCTGCTGGCTCAAGCCGAAGGCAGTGGAGCCCCATAAGATTCTCC AGCTACTGAGTGGGGAGGATTGGTGGGACATGATCGAGGCGATAGTGGTCATCCGGG GTGTTAATGGCTTCTGAACACAGCAGAGGTGGTAGGAGTGGAGGAACTGGCACCC [A, G] AGAGACACAGTGGAGAAATGACCTGAGCCAGGACTGATTGGCTGGGATGGCAAGATG GTGAGGTAGTGTGCCAGGTGTGCGATTGGGAAGCAGGGGGCTGGGTGGAGGGTTGTCGG CTGAGGCTGGGATGTGAAAGAAGGAGCAGTCTGATGGTAGTCCATTGGGCCATGTT GAGTTGAGGGGCTGTGGACAATGTGGGAAATGTCAGGCCAACAGTGGGTGGACAT CAGGAGCTCAAGAGAGGGATAGTGGATACTGGCTGGATAGTGAAGTAGACACCCTCAAG
271247	CAAATGTAATTATTGCTGGTATTCCCATTGGCAGCCCAGCTTCAAGCCAGCCAATCC CTCATTAAAGCTATAATCACGGCGCTTGCTCAGGTGGATGCAATCCAGATAATGGAC

CCAGATCCACTCCTCGAAGAAGCCTCGGGCTCAATTAGCGCTAATGCACCCCAATTAA
 ACAAGCAGAGCCAGTGCCTCGAGGGACGCTAACAGCCCGCTTCCTAGTTGGAAAATGTA
 [G, -]
 TGTGGGCAAGAGTCCGTTGCAGAGGACGCTAACAGCCCGCTTCCTAGTTGGAAAATGTA
 CCTTTGGCCTTGCAATTGGGTACAGGTGCAAGAAGCCCCCACCTAGAATGCAATCATGA
 TGTCCTCAATGGTTGCCTCATCATCTGGTGCACGCTGTCTGGAAAGTAAGCTTGCCTA
 CCACAGCCCCATGCTGGTCAAGGGCAGGGTGGGGCTCTGGCCTTACCGGAGAGGACG
 ATATCCCAAATCGAGCACTGTGGCCTGCAGCCGCATCCCGAACACAGGCCGTGCC

 272820 CTGGGATCTAGAGTTACAGTAAGTCCCCTGGTAGTAATTACATGCTCATGAATTACAGAG
 CAGGGTAAGCTATGGGTGCCTATCTCTGCCAAGCCAGATAATTGGAATGGTTATAAATA
 TCTCCCACTGTCAAGTAGAGGTCCTCTGCTCCCTCAATGCAAACCACATAGCTGGGAT
 CCATTAGTCATTCCAATAATTAGAAGCACCCTCATGGGTGTGGTGGGTATAATAAT
 TCAGAAGGCCAAACTCTTCTGTCCCAAGGATCCCAGTGTGGTGCATCAGGGCCATCT
 [T, G]
 CTTGGTGGGCATCACACTGCATGCTGGAGGAAGAACATCAGCTTATAGGGCAGTTAATGTT
 GAAAGTCAAGTGCAGAATTGGACTCTGATTGCCACCCCCCAGAAAGGGGAGGGGAG
 AGCTGTTCAAGGAAGGGTTCTAGAAAAAAAGAAATTGAAGCTGCCCCAGGGGACAG
 TTTAGGGGTTGATAGGGGACATTTCAGGTAGAGGAGGCCAACATGCAAGGCCTGGAGG
 GAGGGAGGCTGGCCTGTCCGGGGTGGCTGGCAGTCAGGCATGACTGGACCATG

 274065 TTGAAGGGATGCCAGCCAGGATGGCAGAGTCTCAGGGACCAGATGAGCTGCCGCCT
 TCCATATCAGTGACCCCTCTCCTGTGAGCCCCGCACCTTCCCACCCCTCCCCATGTACCT
 AGGCCTGGCTTGGCTGAGGACAATACTGTCTACTCAAAGCACTGCTGTCTTCAGAC
 ATATTGAGAAACATCAGGTTACCTTTAAATAAACATATCATTGAAGCATAACACAGA
 GAGAAAATGAATAAGTCATAAGTGTATAGCTCAGTGAACCTCCACAGAGAACATATCTGC
 [G, A]
 TAACCAGCACCCAGATAAAAGACAGAACATCTTACCAAGTGCCTGGCAGACGCACCCACACCAT
 GCTCTATTCAGTGTGACCCACCCAGCATAACCAACTACTCAGGTGGCTTTGAAAGAG
 GAGAGGGCATGACTGTGACAAAGCAGAACAGGGTGGCTAACACCAGCACTGCCACTAGAGG
 GGTGCCAGGTAGAGGGAAACAGGGAAGAGAGCAGAGGCCATGAGGTAAAGAAAAGCTT
 CATGTGAGTGTGGAAGAGAACGACCCAGTGAGCGTGGCAGGACCCCTGCCACTGTGACT

 276592 AGCAGGCTGGAGTCATTGCGCAGTGTGAGTCTAGTGAGAGGCCAGCACATCTGCCAAAT
 CCCATCAGGCTGCTGCTTCGCTCTTCCCGTGGTTCAGGGAGTGAGCAGTGCAGATGC
 ATTATGGCTGAGATGTGCTGGAATCAAACCTCCATCGCTGGAAGAGGGAGGGCTTCTGAG
 CGCTCGGAGGACCCACACCTGGTTGCTGTTATCCCACCTGCCACCCCTCCCGAG
 CCCCAGGCTCTCACACTGCCAGGCCCTGCATTCTGGATGTGAGCTGAGACCACAGCCTGC
 [G, T]
 CATCAGCTCAGAAGCTCAGGTTGAAAAACCCACACGTTCCGCTGGCACCGACTTCAC
 AGAAATGAGGGTTCTGAGCTCCCTCCACGGGCTGCCACATTGATAAGTTCCCGT
 GTAGATAATCCTCAGAACAGCAGTGCAGGTGACGGGAAGGAGAGCCTCTCACTCCCT
 CCCAGAGGCTCAAGCCCTGGAAATACTCCAAAGATCTCCGAAATGGCTGGTGTGCTT
 TCAGAGTTGAGTTTATTTGACCAGGGATTACTGTCAATCGTTCAAGTCC

 276628 TGAGAGCCAGCACATCTGCCAAATCCCATCAGGCTGCTGCTTCCGCTCTTCCGGTGT
 TCAGGGAGTGAAGCAGTGCAGATGCATTATGGCTGAGATGTGCTGGAAATCAAACCTCCATC
 GCTGGAAAGAGGGAGGGCTTCTGAGCGCTCGGAGGACCCACACCTGGTTGCTGTTATCC
 CCACTGCCAACCTCCCTCGCAGCCCGCTCTCACACTGCCAGGCCCTGCATTCTGG
 ATGTGAGCTGAGACCACAGCCTGCCATCAGCTCAGAAGCTCAGGTTGAAAAACCCACA
 [C, T]
 GTTCCGCTGGCACCGACTTCACAGAAATGGGTTCTGAGCTCCCTCCACGGGCTG
 CCCACATTGATAAGTTCCCGTGTAGATAATCCTCAGAACAGCAGTGCAGGTGACGGG
 GAAGGAGAGGCCCTCTCACTCTCCCTCCAGAGGCTCAAGCCCTGGAAATACTCCAAAGATC
 TCCCGAAATGGCTGGTGTGCTTCAGAGTTGAGGTTTATTTGACCAGGG
 ATTTACTGTCAATCGTTCAAGTCCGAGAGGTTAAGATAAACTTCAACCTCAGGAAATT

 279257 GCGAATATAAGAAGGCAGAAAATGTGAAAGGAGAGACGGGCTGGCTCCAGCCTA
 CATCTTTCCCAGGCTGGTTGCTCCCTGCCCTCGAGCATCAGACTCCAAGTTCTCAGT
 TCTGGGACTCGGACTGGCTCTCCTGCTCTCAGCTGCAGACAGTCTATTGTGGACCT
 TGTGAGAGCTGCAAACAGAACCTGTTACAGGTGTGTAAGTAATACTTAATAAAATA
 TATATATATCTCTCTCTTGTAGTTCTGCCCTCTAAGAGAACCCGACTAATACA
 [C, A]

CAGGCCAGCAGAAGTTTGTGCAGGATGGTACCGTGAGGTCAAGGATCGCTAGGACCCC
 TGGCCCCACCCATTAAAGTGTACCAAGGCCCTCCAATCTGTGACAACCAAAACATCC
 CCACAAAATTCCAAAAGCCTCTTGGGACAGCACTGCCCTGTTGAGACCGTTATAGA
 GACTCCTTGCATGTGCATGAGTCATGTGGAGCTAAGTGCTCCCTTGCCCTGACCCAT
 CAGCCTCAGTCTGGAGCCAGTAACCCATCTGATCACTCGCGAGGAAGCGACAGCCT

279925 GCTCAAGCTCAAAGCAGCTACATTCTGGACATCACTGACGCCATTGCCCTGCTGACGCT
 GAGCAAAGTTACTGCCAGCTCCACAGCCGGCTTTCCCTTAGTTAGATGTTGGGAGG
 ATGCAGCCTCCAAAGGAAGTCTGGAAACAAAATTAAATAAAACAGGAGGTTGGAGA
 AGGCACCCACACTCCCATATCCCTCCGACTTCCCTGCCCTGGTACTGACCTCTAGTCCA
 GCACTACTGCTTCTGCTCTGGGCTGGTACAGGGAGAGTGGGAGGAGGCTGAGCTGC
 [T, C]
 GGACAGGGCAAAGGGGGAGCCGGAGTTCATAGAACGCTGTTGCCACCTCCACAAGGAA
 TGCTGACCTGTTAGGGAACTAGCTGGTGGAGGTTTCCACTAACACAATAGTAAAAAAAT
 AAAGTTCTAATACCAGGAGAGCTTAGCATTATTGATGTTTCAACAGTGTCTTTC
 ACTCTGGGCCACCTGACAGATGCCAGTCACCATAAAAGTATATGTGGATCCCTCT
 CCCAGGGATCCAACCAATTGCTTCTAAATAGGAATAAAAGAGAGGATTGTAATGT

280127 CCTCCGACTTCCCTGCCCTGGTACTGACCTCTAGTCCAGCACTACTGCTTCTGCTTGG
 GGCTGGTACAGGGAGAGTGGGAGGGCTGAGCTGGACAGGGAAAGGGGAGCC
 GGAGTTCATAGAACGCTGTTGCCACCTCCACAAGGAATGCTGACCTGTTAGGGAACT
 AGCTGGTGGAGGTTTCCACTAACACAATAGTAAAAAAATAAGTCTTAATACCAGGAGA
 GCTTAGCATTATTGATGTTTCAACAGTGTCTTCACTCTGGGCCACCTGACAGA
 [T, A]
 CTGCCAGTCAACCATAAAAGTATATGTGGATCCCTCTCCAGGGATCCAACCAATTG
 CTTCTCTAATAGGAATAAAAGAGAGGATTGTAATGTCAGACACAGCAGATTGATAGCAA
 CATCAATTGAACCAGGCATTCTAAAGCAAATGTACCATTTATCTAACAAAGGTCTGGTG
 GTTTGTTAATTAAATGACCTGATGCTGGGTGAAATTGAGATGAGGCAATTGCTGCG
 TATTCAAGGTGCAAGTGGAGGTGGATTGCCACCAGCCTGGAGTCGGCTGGATCTGCTC

280433 AGTCAACCATAAAAGTATATGTGGATCCCTCTCCAGGGATCCAACCAATTGCTTTC
 TCTAATAGGAATAAAAGAGAGGATTGTAATGTCAGACAGCAGATTGATAGCAACATCA
 ATTGAACCAGGCATTCTAAAGCAAATGTACCATTTATCTAACAAAGGTCTGGTGTTT
 GTTAATTAAATGACCTGATGCTGGGTGCAAATTGAGATGAGGCAATTGCTGCGTATT
 AGGTGCAAGTGGAGGTGGATTGCCACCAGCCTGGAGTCGGCTGGATCTGCTCCAGTG
 [C, A]
 AGCACAGCCGGGAACCAGGCAGCAAGGTCTGCATGCCCTCGTGTGTTAACCTGGT
 AAAAGGCCATGCAAGCCTACACATGCAGATTCTGTTGGTCCAAAGTGAGGCTTG
 TACCTCAACCTAGAAAATTCAAATTAGCTGAGATGACAATATGGACACTCCAGGGAA
 AAGACCAAGATGGAAACTGACCGAGAATAGTTGGCAGCCTGATGCAAGGCCCTTTGA
 ATCCCTGGGAGGATGAGGGCTAAATCTAACAGGGCTGTAACCACTTGATTCCTCAGCCA

282808 GAGCTGGGAGTAAATCCTGCTTGTGCTTGCAGCTTAGCAGTTCAAAATAGACCTC
 AGAATGACACATCACAACAGTGGCCCTGTAACGCAGCCCACTGAGCTATATAACATGG
 GTGCCAGACAATTAAAGCAGGTTTGTGTTGGTGAAGATGCAAGCTTGCTGGGC
 AGCACATGACATGACTTACCAAGGCTAATGGGAAAGTGTGGAACCAGTGTGCTAATGT
 CTGGGGACAGGCCAGCAAGAGGGATGGGCATGTCCTGCTCTCCCTGGCCTCTG
 [G, -]
 GGGGTTCTCAGGTGAGGTTGGGATCTGAGCTCTAGCCACCCGCCAGGGTGAAGAGGG
 GCTGGAGCCCAAGTGAAGCTCAGAGAGTGGCTGGTACTATGTGTTCTGAGGG
 ATGGCCTGTTGCTGGTGGAGAGATCTCACCCATTGTTGGCATTCAAGAGCAG
 ACCCACCATCCCCAACCCAGGCAAGTCTTCTCCATGCCCTGGCCCTAGGTCCACG
 CCCCTTCCCCAAAGGGATTGCTTCCAGCAGTGGCAGCTGAGCTTTCATGATGTTGAG

283120 GTGAGGTTGGGATCTGAGCTCTAGCCACCCGCCAGGGTGAAGAGGGCTGGAGCCCA
 GTGACTGCACTCCAGAGAGTGGCTGGTTACTATGTGTTCTGAGGGATGGCCTGTGT
 CTGGTTGGAGAGAGATCTCACCCATTGTTGGCATTCAAGAGCAGACCCACCATCC
 CCCACCCAGGCAAGTCTTCTCCATGCCCTGGCCCTAGGTCCAGGCCCTTCCCC
 AAAGGGATTGCTTCCAGTACATTGGATATTCTCAAAGGGGACTCCTGAGAGTAGAGTGAC
 CCCAAGAAGGGAGATTCCAGCAGCACCCGGAGACTCATGGGCTGTTGAGGCTTATAGTGGCCT
 GGGGATTCCCCAACCTGACCCACATTCTGCCCTGTTGATAAAGCTGTCCCCAAG

AACACAGATGGTCCACAGGGTCGGCTGTTACTGATCAGAGCCGGGGCAAAAAA
 CAGGGTCTTCCTGAAGCTATGCCATAGCAAATTCCACAGGCCTCCTAACCTGGGT

283749 GGCCTCTCACAGGGTATCCACGGCTCTCCTGACCAGCAATGCCAAGACAAGAGGGCAG
 AAGCTTCCTCCTCCAGAAGCAATTCCAGGAGCTGCTTGCCCCACACACT
 TCTATGCAACCTAGTGTCCAGAGACCACCTGCCACCCCTAGCCTGGCCATGCTGGA
 GTTCACTCCATGGAACAGCATTGCAAGGTTGGGTTGTCCCCACTGGGTGAGGTATGGA
 GGTCTGGGTTCACTGAGCATGGCACATGTACCACATGGTCAGCATGCCCAAGGAA
 [T, C]
 TGACATGATGGGTGACACAGGCCTAGCCCCCTTCAGAGATCCAGACCGTCACCATGGT
 GCAGGGTGGCTGGGATTGTCTCCTTCAGGGCAGGGCCCTAGCCACTCTCCAAGGCCAC
 CTGCCACCTGTCTCCACAGTCATACCGTAACAGACACTGAATGAGCCCCCTATGTG
 TGGATGCTGGGCCAGGTGCTGGGGTACACCTGTAAGCAAGGCCCCACTGCACTGGAGGA
 GCTCACAGTCTAACAGGGAGCCTGATGATCCACAGTGGATGAAAAGTCACAGAAATTGA

284339 ACAGAAATTGAAGGCTGGAGAAGGCTGGCAAGAGAGAACAGGGCAGCACAGGAGGTGCC
 CGTTAGGCAGGATTGGTGTAGGCAGGGAGGCTGAAGGAGTTGGTGAAGAAACACCT
 TGCAGTGAGAGAGTAGGACGGGCAGCAAGAGAGGCCACTTCCGCCACACCAT
 GCAGGTGCCCTACCCCTGGGATCCAAGGCTGGGCTTGACCACATGCCGTCTCCCTC
 TCAGAATCTGAGCTCCGACAGCCTGTGACTACCTACATTGCCACATTACACAAAC
 [G, T]
 CCTCCCTCCCTGACTCTCGGAGTCTCCAGCCCCACCCATGCCCTTACAGGAGCTT
 CACCTGCCACAGAATGAAGATGGTCCCTTGAGCACAGTCTGGCAGGGCACAAGTGGCT
 GATGGAATATTTACAATGTCTCCCTGCTTCCCTTGCAATAGAAAGTGTCTTCTT
 TGATGGACATTTAACCCAGAGACTGCTACCTGCTACCTATCTCCCTTGCTCAAAATT
 AAATGTGGATGTGCCCTGTTCTCTGCTATAATCATCTTCCCTGTGTGAAGGGAGTGCAG

284382 CAGCACACGAGGGTCCCCTTAGGCAGGATTGGTGTAGGCAGGGAGGCTGAAGGAG
 TTGGTGAAGAAACACCTTGCACTGAGAGAGTAGGACGGGCAGCAAGAGAGGCCACTT
 TCCCGCCCCACCACCATGCAGGTGCCCTCACCCCTGGGATCCAAGGCTGGGCTTGACCA
 CATGGCCTGCTCCCTCTCAGAATCTGAGCTCCGACAGCCTGTGACTACCTACAT
 TGCCCACATTACACAACGCCCTCCCTCCCTGACTCTCGGAGTCTCCAGCCCCACCA
 [T, C]
 GCCTTTACAGGAGCTCACCTGCACAGAATGAAGATGGCCTTGAGCACAGTCTGG
 CAGGGCACAAGTGGCTGATGAAATATTTACAATGTCTCCCTGCTTCCCTTGTTGC
 ATAGAAAGTGTCTTGATGGACATTTAATCCAGAGACTGCTACCTGCTACCTATCT
 CCCTTGCTCAAAATTAAATGTGGATGTGCCCTGCTATAATCATCTTCCCT
 GTGTGAAGGGAGTGCAGTGGGAATGAGAGAACATTAGAATCTCAAAGAGGGACAATTAT

287120 CCCCACAGGCTGAGTTAGAGAGGCCCTGGCAATGGGATCCGGGGCCAGCCTCAGGGC
 TCCTTATGGCATTCTCTCGAACCATCTCTCGAACCTCAGGTAATCCACCTGC
 CTCGGCCTCCAAAGTGTAGGATTAGGGCTGAGCCACCGGCCGGCCTGCCACTAT
 CATTCTCAACATCATCTGACCATACCCACAGGGCACCAGGGAGGAGTGGGGTGGTCC
 CCAAGCCTGCCCCACACACCCAGGGACCTCCCTCCGAAGGAGTAAAGTATCCTGTGGA
 [C, T]
 CAAGGCTAAGGCTAAGACTGGACCTGCCCCGTCCGGAGAGATCTGATTCCCTCC
 CTGGGAGCCAGGCCAACACACACAGTGTCAAGGGCAGGGAGGAGTGAAGGTAAGGGGT
 GCCAGCTTACATCAGGTGATGTTAACGAGGCCAAGATGAATACACCAAGTGGAGATT
 TGGGTGAATAGCACTCCAGCCAGGGGGATAGTCATGCCAGGCCCTGGCAGGAGCATG
 CCCAGTGTGATCAGTGTGCTGAAGTCCCTGGTCCCCCATACCCCCCACCTCTTGTA

287415 GTGGACCAAGGCTAAGGCTAAGACTGGACCTGCCCCGTCCGGAGAGATCTGATTCC
 CCCTACCTGGGAGCCAGGCCAACACACACAGTGTCAAGGGCAGGGAGGAGTGAAGGTA
 AGGGGTGCCAGCTTACATCAGGTGATGTTAACGAGGCCAAGATGAATACACCAAGGTG
 GAGATTGGGTGAATAGCACTCCAGCCAGGGGGATAGTCATGCCAGGCCCTGGCAGG
 AGCATGCCAGTGTGATCAGTGTGCTGAAGTCCCTGGTCCCCCATACCCCCCACCTCT
 [C, T]
 TTGTAGTCACCTGTGTGGAATTGCTGGCAGGTGGCAGGGCTGACTGGGTGAAGATAA
 GAAAGACATGAACCTGGGTGTTGACACTTCTGCCAAATGATTGAAATTTTTTT
 TTTTTTTTTTTTTGAGACGGAGTCTGCTGTCAACCCAGGCTGGAGTGCAGTGGCG
 TGATCTCGGCTCACTGCAAGCTGTGCTCCGGGTTCAACCATTCTGCCCTCAGCCT
 CCCAGTAGCTGGGACCACAGGCAGGCCACCCATGCCCTGCTGATTGGTATTTTG

287683 GTCCCCCTGGTCCCCCATACCCCCCACCTCTTGTAGTCACCTGTGGAATTGCTGG
 GCAGGGTGGCAGGGCTGACTGGGGTGAAGATAAGAAAGACATGAACCTGGGTGTTGACA
 CTTTCTTGCCTAAATGATTGAAATTTTTTTTTTTTTTTGAGACGGAGTC
 TCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAAGCTGTGCC
 TCCCAGGGTTCATACCATTCTCCTGCCCTCAGCCTCCGAGTAGCTGGGACCACAGGCGCCC
 [A, G].
 CCACCATGCGCTGGCTGATTTTTGTTGAGAGAAGGGGTTCACCGTGTAGCC
 AGGATGGTCTCAATCTCTGACCTCGTGATCCGCCGCCCTCGGCTCCAAAGTGTGCTGG
 ATTACAGGGCTGAGGCCAACGCCGGCCAATGATTGAAATTGAGAAGAATAGGAGGAA
 GATCAGAAAACAGGTCTCGGAGGCCACAGCAGACGAGGGCTGGACTACGTGAAAGAGC
 TCATTTCAATAATGGGCTAGTGTCACTCATGGAGAGGGCCCAGCTCACATCTGCCAG

 287699 CATACCCCCCACCTCTTGTAGTCACCTGTGGAATTGCTGGCAGGTGGCAGGGCT
 GACTGGGGTGAAGATAAGAAAGACATGAACCTGGGTGTTGACACTTTCTGCCAAAT
 GATTGAAATTTTTTTTTTTTGAGACGGAGTCAGTGGCTCACTGCAAGCTGTGCCCTGCC
 GCTGGAGTGCAGTGGCGTGATCTCGGCTCACTGCAAGCTGTGCCCTGCC
 TTCTCCTGCCCTCAGCCTCCGAGTAGCTGGGACCACAGGCCACCACATGCC
 [G, A].
 ATTTTTGTTGAGAGAAGGGGTTCACCGTGTAGCCAGGATGGTCTCAATCTCTGACCTCGT
 CCTGACCTCGTGATCCGCCGCCCTCGGCTCCAAAGTGTGGATTACAGGCGTGAGCC
 ACCACGCCGCCAACAGTATTGAAATTGAGAAGAATAGGAGGAAAGATCAGAAAACAGGTC
 TCGGAGGCCAACAGCAGACGAGGGCTGGACTACGTGAAAGAGCTCATTCAATAATGGG
 CTCAGTGTCACTCATGGAGAGGGCCCAGCTCACATCTGCCAGCAGTGTGTTGACAGCA

 287723 CACCTGTGGAATTGCTGGCAGGTGGCAGGGCTGACTGGGTGAAGATAAGAAAGAC
 ATGAACCTGGGTGTTGACACTTCTGCCAAATGATTGAAATTTTTTTTT
 TTTTTTTGAGACGGAGTCTCGCTCTGTCAACCAGGCTGGAGTGCAGTGGCGTGATCTC
 GGCTCACTGCAAGCTGTGCTCCGGGTTCATACCATTCTCTGCCCTAGCCTCCGAGT
 AGCTGGGACCACAGGCCAACCATGCCCTGGCTGATTGTTGATTGAGA
 [A, C].
 GGGGTTTACCGTGTAGCCAGGATGGTCTCAATCTCTGACCTCGT
 CGGCCTCCAAAGTGTGGATTACAGGCGTGAGCCACCACGCCAACATGATTGAA
 TTTGAGAAGAATAGGAGGAAAGATCAGAAAACAGGTCTCGGAGGCCACAGCAGACGAGG
 GCTGGACTACGTGAAAGAGCTCATTCAATAATGGGCTAGTGTCACTCATGGAGAGGGC
 CCAGCTTCACATCTGCCAGCAGTGTGTTGACAGCAGCTGCATCTGGGAGGTGGATT

 287833 TTTTTTTTTTTTTGAGACGGAGTCTCGCTCTGTCAACCAGGCTGGAGTGCAGTG
 GCGTGATCTCGGCTCACTGCAAGCTGTGCTCCGGGTTCATACCATTCTCTGCC
 CCTCCCGAGTAGCTGGGACCACAGGCCAACCATGCCCTGGCTGATTGTTGATT
 TTGGTAGAGAAGGGGTTCACCGTGTAGCCAGGATGGTCTCAATCTCTGACCTCGT
 TCCGGCCGCCCTCGGCTCCAAAGTGTGGGATTACAGGCGTGAGCCACCACGCC
 [G, A].
 ATGATTGAAATTGAGAAGAATAGGAGGAAAGATCAGAAAACAGGTCTGGAGGCC
 GCAGACGAGGGCTGGACTACGTGAAAGAGCTCATTCAATAATGGGCTAGTGTCACTCA
 TGGAGAGGGCCAGCTCACATCTGCCAGCAGTGTGTTGACAGCAGCTGCATCTGGGAG
 GTGGATTCTGGGATGATTATTTCTTTCTTATATTGACACTTCAAGTGG
 TCTCTGATGGGATGATTCTTCTAGAATTAGACAAATGTTGAAAGCTGGAGAGGG

 288000 ATTTTTGTTGAGAGAAGGGGTTCACCGTGTAGCCAGGATGGTCTCAATCT
 CCTGACCTCGTGATCCGCCGCCCTCGGCTCCAAAGTGTGGGATTACAGGCGTGAGCC
 ACCACGCCGCCAACATGATTGAAATTGAGAAGAATAGGAGGAAAGATCAGAAAACAGGTC
 TCGGAGGCCAACAGCAGACGAGGGCTGGACTACGTGAAAGAGCTCATTCAATAATGGG
 CTCAGTGTCACTCATGGAGAGGGCCCAGCTCACATCTGCCAGCAGTGTGTTGACAGCA
 [G, C].
 CTGCATCTGGGAGGTGGATTCTGGGATGATTATTTCTTTCTTATATTGCA
 CTTTCCAAGTGGTTCTCTGATGGGATGATTCTTCTAGAATTAGACAAATGTTGAAAG
 CTGGAAGAGGGAGGGAGCCTTAGCTGAAGACATGTCCGGTGTGTC
 TGCTTCACACAGCTAAGTCACTCCTATCTGACCCCCACAGTGA
 ATGTAAGGAAATTTGAACTGAACTATGACTTTGACACACCTGCTAGGAAAT

 288050 GTCTCAATCTCTGACCTCGTGATCCGCCGCCCTCGGCTCCAAAGTGTGGGATTACA
 GGCGTGAGGCCAACAGGCCAACATGATTGAAATTGAGAAGAATAGGAGGAAAGATCAG
 AAAACAGGTCTGGAGGCCAACAGCAGACGAGGGCTGGACTACGTGAAAGAGCTCATT

CAATAATGGGCTCAGTGTCACTCATGGAGAGGGCCAGCTCACATCTGCCAGCAGTGT
 GTTGACAGCAGCTGCATCTGGGAGGTGGATTCTGGGATGATTATTTCTTTCTTAT
 [A, T]
 TTTATTTGCACTTCCAAGTGGTCTCTGATGGCATGTATTCTTAGAATTAGACAA
 ATGTTTGAAGCTGGAAGAGGGGAGGGAGCCTTAGCTGAAGACATGTCGGTGGTCCA
 AAATGCCAGTGCCTCACACAGCTAAGTCACTCCTATCTGACCCCACAGTGAACACAGCA
 GGGGGCAGGAATGTAAAATAAAACCTGAATTGGTAACCTATGACTTGACACACCTG
 CTAGGAAAATATCTATCCTGGAAGGCCAAGGCCAGCTGTGAGGGAGGAATCTATCCAGGG

 288331 TTATTTCTTTCTTATATTATTCACCTTCCAAGTGGTCTCTGATGGCATGTA
 TTTCTCTAGAATTAGACAAATGTTGAAGCTGGAAGAGGGGAGGGAGCCTTAGCTGAA
 GACATGTCCGGTGGTCCAAAATGCCAGTGCCTCACACAGCTAAGTCACTCCTATCTG
 ACCCCACAGTGAACACCAGCAGGGGCAGGAATGTAAAATAAAACCTGAATTGGTAACC
 TATGACTTGCACACACCTGCTAGGAAAATATCTATCCTGGAAGCCAAGGCCAGCTGTGA
 [G, A]
 GGAGGAAATCTATCCAGGGAGACTGAGCTGGAGGCTGCAGCTTGGGCATCTGCCCTTG
 GGGGCTGGAAGAAGGCAAGGAAGGAAGTTCCCTCCCCACTCCACCTCAAGCCCTGTG
 GAATTGGATGACAAAGGCAGGGAGTGAAGGCAGGGAGCCACCAAGAGGGCAGCCCTGG
 AGATGAAGGCTCAAAAGCCTCCCCAAAAGCGAGTTGGACTTGGATCTGAGTGATC
 ATCTGCACAGAACAGCTCTGAGCATCAGGCTGCCCTTCCTCAGGGTCCACGCCCT

 288438 GCCTTAGCTGAAGACATGTCGGTGGTCCAAAATGCCAGTGCTCACACAGCTAAG
 TCACCTCATCTGACCCCACAGTGAACACCAGCAGGGGCAGGAATGTAAAATAAAACCTG
 GAATTGGTAACCTATGACTTGCACACACCTGCTAGGAAAATATCTATCCTGGAAGCCA
 AGGCCAGCTGTGAGGGAGGAATCTATCCAGGGAGACTGAGCTGGAGGCTGCAGCTTGG
 GGCATCTGCCCTGGGGCTGGAAGAACAGGAAGGAAGGAGTTCCCTCCCCACTCCA
 [C, -]
 CTCAAGCCCTGTGGAATTGGATGACAAGGCAGGGAGTGAAGGCAGGGAGCCACCAAGA
 GGGCAGCCCTGGAGATGAAGGCTCAAAGCCTCCCCAAAAGCGAGTTGGACTTGG
 ATCTCGAGTGTACATCTGCACAGAACAGCAGAGCTCTGAGCATCAGGCTGCCCTCCAG
 GGTCCACGCCCTCCCCAGTGTGCTGGCACCAGAGGAGCTCAGTAATTGGACAAA
 TGACTTCATGATTAAGTTGGCAAAGTCTCTTGCAACTCATTAAAGCACAGTTGC

 288625 CTGTGAGGGAGGAATCTATCCAGGGAGACTGAGCTGGAGGCTGCAGCTTGGGCATCT
 GCCTCTGGGGCTGGAAGAACAGGAAGGAAGTTCCTCCCCACTCCACCTCAAG
 CCCTGTGGAATTGGATGACAAGGCAGGGAGTGAAGGCAGGGAGCCACCAAGAGGGCAG
 CCCTGGAGATGAAGGCTCAAAGCCTCCCCAAAAGCGAGTTGGACTTGGATCTCG
 AGTGTACATCTGCACAGAACAGCAGAGCTCTGAGCATCAGGCTGCCCTCCAGGGTCCA
 [C, T]
 GGCCTTCCCCAGTGTGCTGGCACCAGAGGAGCTCAGTAATTGGACAAATGACTTC
 ATGATTTAAGTTGGCAAAGTCTCTTGCACACTCATTAAAGCACAGTTGCTCTGG
 GTAAAGAAGGATTTAAGATTCTGTCTGGAAATCCCTGGTCTCATCTCAGGACCCAGTG
 GCAAGCTGGCCGGGATGGAGTGCCTCAGTAAAGGGAGAAATGACGAAGGAAGTT
 TGAACAGCATGATGTACGGTGCACACACTTCCCCAAGGCCCTGGAGGCTCTGCC

 288819 GGCTCAAAAGCCTCCCCAAAAGCGAGTTGGACTTGGATCTGAGTGTACATCTGCA
 CAGAACAGAGCTCTGAGCATCAGGCTGCCCTCCAGGGTCCAGGCCCTCCCCAG
 TGCTGTGGCACCAGAGGAGCTCAGTAATTGGACAAATGACTTCATGATTTAAGTT
 GGGCAAAGTCTCTCTGCAACTCATTAAAGCACAGTTGCTCTGGGTAAGAAGGATT
 TAAGATTGTTCTGGAAATCCCTGGTCTCATCTCAGGACCCAGTGGCAAGCTGGCC
 [A, G]
 GGCATGGAGTGCCTCAGTAAAGGGAGAAATGACGAAGGAAGTTGAACAGCATGATG
 TACGGTGCCACACACTTCCCCAAGGCCCTGGAGGCTGCTGCCCTGGGTTGCCCAG
 CTCCTGCCCTGTCTGTTCACTCTCCACCTGACTCAGGCCCTAGGCCAGCCACACCAG
 CTTTCACCAAGTCTCCAGACGTGCCCCACCATGGCTCTGCACGCCAGTCCTGCT
 CTCCTGCCCTGCTTCCCTCCACACTCCTCCTACAGGCTCATCCTGAAACAT

 291274 TGGCCTTGGAAATTAAGGAGAACAGGCCAGGCTCCAGCAACCCATTGCCCTCAACCTGG
 AATGGTCAGTGAGGAGCCATGCGTATTCTCAGGATTGACCAAAGCCAGGCGTGGAG
 TACTCATCCCCAGGGAGTCGGGAAGTGGGGCTGGAGGGCTGCCCTCTCGCTGACACT
 CCTGCAATCCCAGTGTATGGCGTGGCCCTGCGTGTGTCATCCTAGAACAGCCGTCACC
 AGCAAGATAAAACTGTGCATGCTGCAATGCACTCCCAGGTTACTTCCCCAACACTGCA
 [T, C]

GGTTCTGATGCTGTTCAAGCAAGCGCCCTGGGATAAAACGAGCTGTGTGCTTCGGTTTA
 ACGTTGTAAGCTTCTTTGTTCTGGTCAGACTGTGTATATGTTGTTGAAG
 TAATCCAGCTCTGGAGGGTGCCTAATTAAACATAAGCAGGGCTTATTAGTCCTGTAAC
 AAAACTCCCTAATCTAGGAGGCCAAGTATTCAAAGCAGCCTTAAGGTAGGATTAAGGC
 AAAAACAGTATTACAAATGGAATTGGGGTAGCTTCTAAAGCCTGTGGGGCTG

292997 CATAGAAAGCAAGGAAAGAGTGACCTCACTCACTGGGCCACAGCCACTGCCAGTTGCAG
 GGAGGAGCTGTAGGGCTGTAGGTAGAAAAGCTGGGTGGCTGGAGGGCCTGCATT
 CCTACTTCTGTTACTGGTTGTTCTAAGGGCTGTAGGCCCTAGAGCTGCACCAGGCAG
 GTACAAGATCTGCAAGGAGAGTGAGATCAGCCTCCCTGAGTTGGTGGTGGGGGGCGGTG
 GGCAGCCTTTCTTGACCACAGACTGTCCACCCAGTGGATGGATAATAAAGACAGGT
 [C, T]
 CCCACCTTGATGCCAATTAAAGATATCTTAACATGCCACAGGGACCTCTCAAGGCT
 GTGGCCCGTCATTGGAAGAAGTGGGTGGGAGTGCCTAACATTGAGCCATGT
 GCTTGACATTGAGCTAGGCCCTGACCTATGATTAATAAACACAGAAGAGTCGTGTTA
 TGTAGGATAGTGGCAAAGAACATGCAGACTTAGAGTCAAACTGCCTAAGGTCAAGTGC
 GTCCAGCATGTATGACCTAGGGACCTTGGGAGACAATGCGTTCGCTGCTGTG

296708 GGAAAGTGGGTGCTTTGAAAACAGAGGAGGTACTCTGAGTGCCCCCTCCAAAGAGTGCC
 TCATGCATATGCAAGTGGATGGATGCCTTCAGGACCTGTATCTTTACTTGAGGTGATC
 TTCAAGAGATTACATTAAACCAGAGGTGGTGTGGACAGGACTTACAAGAAATGCAAGA
 TACAAGAGCCATTGCTAGCTCCAGGCAGGGTGTAGCAGAGAGGAGAGGAAAGGGCAGTGC
 TGGGCCACGCTGGAGACTAGAGGGACATCCTGGCCAAAAGAGATGAAGCCCCTAC
 [A, G]
 TTAGAAGATGTTCAAGCTGCTTAAAGTGGGAATGCATATACCCCTGGGTGTGACCTG
 CCAGCTCACAGTCTAAAGTGCAGGCCCTGGCATTCAAGAGGTGGTGTGCAAGCCCACCC
 ACCCCCCAGGGGCACTGAGTACCCCTGAGCCACAGAGCCTGGTATCCTCCCTCAACCCCAGC
 CTTTACCTGGACTCCGTTTCCAGCAAAGTATTCTGCTTCAGAGTGCACATCTCTTGG
 GCTGTTGCTATTCCACACCTTCACAAGGCCCTGAAGAGGGACCTTGTGATTGTTGGCAA

296744 CTGAGTCCCCCTCCAAAGAGTGCCCTCATGCATATGCAAGTGGATGGATGCCTTCAGGAC
 CTGTATCTTTACTTGAGGTGATCTTCAAGAGATTACATTAAACCAGAGGTGGTGTGG
 ACAGGACTTACAAGAAATGCAAGATAACAGAGCCATTGCTAGCTCCAGGCAGGGTCAGC
 AGAGAGGAGAGGAAAGGGCAGTGTGCTGGCCACGCTGGAGACTAGAGGGGACATCCTTGG
 CCCAAAGAGATGAAGCCCCTTACATTAGAAGATGTTCAAGCTCTGCTTAAAGTGGCAA
 [T, C]
 GCATATACCCCTGGGTGTGACCTGCCAGCTCACAGTCTAAAGTGCAGGCCCTGGCATTC
 AAGAGGTGGGTGCAAGGCCACCCACCCACGGGCAGTGTGACTACCCCTGAGCCACAGAGC
 CTGGTATCCTCCCTCAACCCCCAGCCTTACCTGGACTCCGTTTCCAGCAAAGTATTCC
 TGCTTCAGAGTGCACATCTTGGCTGTGCTATTCCACACCTTCACAAGGCCCTGAAGA
 GGGATCCTTGTGATTGTTGGCAAGAAGGGCTTGTGGCAAATAGAGAGGTACTTGGAT

297548 TGTGGTTCATATAAGGTGAGAGTGACTGGTAGGCTTATCTGCTGCGGAGGTGTTGT
 CTTGTGGGCCAAAGAGATTATTCAGAAATGCATTGGAATGTGTGGAAGTATCCACAA
 CTCCCCACACCTGGTCATGAGAGCTATTGTTAAATTTGCAAGGAAATTTCAGGAATTTCACATAGAAATT
 ACACCCACACATATGCTACCAAAAAGGGGAAGGGGGACATTTCCTCTAGGGAGCC
 [A, G]
 GTTGTATACATTGACCTGCATGTCAGTGGACAAGACCCCTCTCCCTGCCCTGGAGTCC
 ACTTCTGGCAATATCTCCCCACCCACCTCCCTCACTGAGACTCCTGATGATTCATG
 GAACATGAACAAACAGTAGGCTCGAGCAGCTAGGGCAGGTTACAGGAACAGCAGCTCTG
 AGTCAGGAAAGCAGCAACATGTTCTGGGGATAGTCCAAAGACATTCCAAAAACACTC
 TCTGAGCCTAGACCCCTCTGCCAAAGGAGTTATGAAGGAAAGCTCAGTGCATTTAGA

298436 CCTGAAAGGGAAAGGACGTATTACCTGACCTCCAGCCACATGTCATACAGAGAAATG
 TGGTGTGTCAGCTCCCTCGTCTGGATTATTATTTGAAAGCTTTATAATCATCATT
 AAAGCAAATTAGATTCTGCTGTCGCCCTGGACTTGTGAAACCAGACAGCCAAACCATT
 CATCACAGCCCAGCCAAATAATAGATATGCAATAAAACGTAAACTCACAGCCATTAAAGG
 AAGCCGAAATGAGTTAACCCACTATAAAGGCTTGACATGCAGCCACTGGAGCATA
 [C, T]
 GGGGATCAATGGTTTCAAGTCACAGGAACCTAAACTAAATTCCATAGCTCTGGTA
 ATAGATTATGGTTCAAGCAATTAAATAGGTAAATTGAAATGAGACATATAGGTACAAG
 TTATTACCCAGCAATCGATGGCATTAAAGAAATCTCACTAAACCCAGAAAGTAATC

TCAAACATTCAGCAACAACATTCTGGATTTAATTAAAAACTAGAGCTGATGGGCTGG
 CAGAGGTTAGGCATTAGCATTTATTTCTAGTCTCTATTTGCTGGCCTTGGGTA

300652 CCCACACAGGATTGCAAATAAGTGGCGAAGAACTGATTCACTGCCCTGGTCCCTCA
 TTTCTCAAGGGCACAAAACAGTTAAGCTGGAGTGGCAAGGGAGGAATTGAAAATTGG
 CAGACAAGGCCGGCACGGTGGCTACGCCTGTAATCCCAGCACTTGGGAGGCCAGGC
 AGGCAGATCATGAGGTAGGAGATCCAGACCACCTGGCTAACATGGTAAACCCCCGTCT
 CTACTAAAAATACAAAAACTTAGCCGGCTTGGTGGTGGCGCCTGTAGTCTCAGCTACT
 [T, C]
 GGGAGGCTGAGGCAGGGAGAATGGCGTGAACCCAGGAGGCAGAGTTGCAGTGAGTGGAGA
 TCGCACCCTGCCTCCAGCCTGGCAACAGAGCGAGACTCCATCTCAAAAAAAAAAAAA
 AAAGAAAATTGGGAGACAGAAGGTGTGAGTCTCACCACCTCCAGAGACAGAGTTGG
 GGGTGCCTGACTCAAGTACATAGAGAGGGCTCAAGGAGCCCACCTCCACGTGAG
 TCTCCTGAGGCCAGCGCTGGAGGACAGGGTTCACAGTCAGTGTCCATTGAATGACTTT

300653 CCACACAGGATTGCAAATAAGTGGCGAAGAACTGATTCACTGCCCTGGTCCCTCAT
 TTTCTCAAGGGCACAAAACAGTTAAGCTGGAGTGGCAAGGGAGGAATTGAAAATTGGC
 AGACAAGGCCGGCACGGTGGCTACGCCTGTAATCCCAGCACTTGGGAGGCCAGGC
 GGCAGATCATGAGGTAGGAGATCCAGACCACCTGGCTAACATGGTAAACCCCCGTCTC
 TACTAAAAATACAAAAACTTAGCCGGCTTGGTGGTGGCGCCTGTAGTCTCAGCTACTT
 [G, A]
 GGAGGCTGAGGCAGGGAGAATGGCGTGAACCCAGGAGGCAGAGTTGCAGTGAGTGGAGAT
 CGCACCCTGCCTCCAGCCTGGCAACAGAGCGAGACTCCATCTCAAAAAAAAAAAAA
 AAAGAAAATTGGGAGACAGAAGGTGTGAGTCTCACCACCTCCAGAGACAGAGTTGGG
 GGTGCCTGACTCAAGTACATAGAGAGGGCTCAAGGAGCCCACCTCCACGTGAGT
 CTCCTGAGGCCAGCGCTGGAGGACAGGGTTCACAGTCAGTGTCCATTGAATGACTTG

300747 GGCAAGGGAGGAATTGAAAATTGGCAGACAAGGCCGGCACGGTGGCTACGCCTGTAA
 TCCCAGCACTTGGGAGGCCAGGCAGGAGATCATGAGGTAGGAGATCCAGACCATCC
 TGGCTAACATGGTGAACCCCGTCTCTACTAAAAATACAAAAACTTAGCCGGCTTGGTG
 GTGGCGCTGTAGTCTCAGCTACTTGGGAGGTGAGGCAGGAGAATGGCGTGAACCCAG
 GAGGCAGAGTTGCAGTGAGTGGAGATCGCACCACGCACCTCCAGCCTGGCAACAGAGC
 [G, A]
 AGACTCCATCTAAAAAAAAAAAGAAAATTGGGAGACAGAAGGTGTGAGTCTCAC
 CACCTCCCTCCAGAGACAGAGTTGGGGTGTGCTCCTGACTTCAGTACATAGAGAGGGC
 TTCAAGGAGCCCACCTCCACGTGAGTCTCCTGAGGCCAGCGCTGGAGGACAGGGTCA
 GTCAGTGTCCATTGAATGACTTGTGCTCAATATGCCGTAGTTAGTAATAGGCTCT
 TAGTACTCCAGTTGATAAAAGTGTACCCAGCATTAACTTGTGTCAGCACTGTACACTA

300776 CAAGGCCGGCACGGTGGCTACGCCTGTAACTCCAGCACCTTGGGAGGCCAGGCAGGC
 AGATCATGAGGTAGGAGATCCAGACCACCTGGCTAACATGGTAAACCCCCGTCTCTAC
 TAAAAATACAAAAACTTAGCCGGCTTGGTGGTGGCGCCTGTAGTCTCAGCTACTTGGG
 AGGCTGAGGCCAGGAGAATGGCGTGAACCCAGGAGGCAGAGTTGCAGTGAGTGGAGATCG
 CACCACTGCACCTCCAGCCTGGCAACAGAGCGAGACTCCATCTCAAAAAAAAAAAAA
 [A, -, G]
 AAAATTGGGAGACAGAAGGTGTGAGTCTCAGCACCTCCAGAGACAGAGTTGGGGT
 GCTGCTGTACTCAAGTACATAGAGAGGGCTCAAGGAGCCCACCTCCACGTGAGTCTC
 CTGAGGCCAGCGCTGGAGGACAGGGTTCACAGTCAGTGTCCATTGAATGACTTGT
 GTCAATATGCCGTAGTTAGTAATAGGCTCTTAGTACTCCAGTTGTATAAAAGTGTAC
 AGCATTAACTTGTGTCAGCACTGTACACTATGTCCAGTTCACAGATGAAGAAACTGAA

300874 CATGGTGAACCCCGTCTCTACTAAAAATACAAAAACTTAGCCGGCTTGGTGGTGGCG
 CCTGTAGTCTCAGCTACTTGGGAGGCTGAGGCAGGAGAATGGCGTGAACCCAGGAGGCAG
 AGTTTGCACTGAGTGGAGATCGCACCACGTGACCTCCAGCCTGGCAACAGAGCGAGACTC
 CATCTAAAAAAAAAAAGAAAATTGGGAGACAGAAGGTGTGAGTCTCACCACCTC
 CTCCCAGAGACAGAGTTGGGGTGTGCTCCTGACTTCAGTACATAGAGAGGGCTCAAG
 [G, A]
 AGCCCACCTCCACGTGAGTCTCCTGAGGCCAGCGCTGGAGGACAGGGTTCACAGTCAGT
 TTCCATTGAACTTGCTGTCAATATGCCGTAGTTAGTAATAGGCTCTTAGTACT
 CCAGTTGTATAAGTGTACCCAGCATTAACTTGTGTCAGCACTGTACACTATGTCCAG
 TTTCACAGATGAAGAAACTGAAACACTCAGAGAAGTAGCTAACCCAAGATCACATAGTCAGC
 AGGTAGCAGAGTCAGGATTAGTGGCGTGTGATTCTAGAACTTTCTCATGCATTAA

301027 TCCAGCCTGGGCAACAGAGCGAGACTCCATCTCAAAAAAAAAAAGAAAATTGGGA
 GACAGAAGGTGTAGTCTCACCACTCCCTCCAGAGACAGAGTTGGGGTGCTGCTCTGA
 CTTCAAGTACATAGAGAGGGCTTCAGGAGCCCACCTCCACGTGAGTCTCCTGAGGCCAG
 CGCTGGAGGACAGGGTTCACAGTCAGTGTCCATTGAATGACTTTGCTTGTCAATATCG
 CCGTAGTTAGTAATAGGCTCTTAGTACTCCAGTTGATAAAGTGTACACCAGCATTAAC
 [T, A]
 TGTGTCAAGCACTGTACACTATGTCAGTTCACAGATGAAGAAACTGAAACTCAGAGAAG
 TAGCTAACCCAAGATCACATAGTCAGCAGGTACCGAGTCAGGATTAGTGGCGTGTCT
 GATTCTAGAACCTCTCATGCATTAAACAAACTTGCACACATCTGCATTCTCCGTG
 AAGAGAACATCTCACTGTCCTCACAGTGATTTCCCTAAACTTCAAGCCCCACTCAATGGTC
 TTCTCCTCCAGGAGGTCTTCTCAATTCTTCCACCAAGCCCCACACACCTTCC

 301640 CAGCCCTGGGTAACAAGGCTGTGCCCTGATTATTAAGAGTGTGGACTCCAGAGTCCAAG
 CTAGACCTGGTTTGAATCTTATTCGACTGACTAAGTGTGTACTTGGACAGTTC
 CCTACCAGAGGTTAACCTGGCTTAATTTCACATCTGAAATGGGAAATAACACCGT
 GCACAGAGTTATTCAAGGACTAAAGGAGCTACTTAATGTAAAGTGTAGTAGCATGAGAC
 TTTGCCTATAGTAAATTAGGCAACATTAACCAAGGTCAATGATGGCGGCGGTGAGGGT
 [A, G]
 ATGATGAAGATTCTGTGTGCCCATCACCTGTGCCATGCCATTGTTGTCCCTCCCC
 CTCAGGGACCACAGGCTCCCTGAGGATAGAGGCTGTTCACCCATCTGCACTCTGCTC
 AGCATGGGGTATGGCACCCAGGAAGGGCTTGGTCAGAGTGTCTATTGAGGGCATGAAGG
 ACATGGAGAAATACATGGGCAAGGAGAGGAGTCCAGACATGCAGCTGGCAGCGATC
 CCAGAGGGTCTCTGCATGCCTCCAGGGGCCTGAGAAACAGGGCAGAGGAAGTGCCT

 302581 TGCTGGCCTACAGCCACATCCCTCGTATGCAGCAGAACCTGGCTTCAGCAGGCCAAGAC
 CAGCAGCCCCACCGGCCCAACTCTGCCACCTCACCTGGAGGTCAAGCTTGCTGGCTGT
 GCAAATCTGCATACCTCTAAATAATTAGGCATAGAAATGGGTTGTATTCATG
 CTGGGCCCTGGCAGGCTGGCAAGGCAGGCCCTGGAGCAGGCAACCGTCAGCCACAATACC
 CAAGCTCCCCACTGCAGGTGAGGACAATGCAGGAAGGAAGACCACCGTGGGAAGGCCAGC
 [G, A]
 GGTCCGCCCTGAAGCTACCGTAGGCTGAGGCTCTCTGAAAGCAGGGTGAGCTCTGGCA
 GGGAGGGACAGGCCCGTCTCATCTCCATCTGACACTTGGCTGGAGTGGCATGGAAG
 AGGCAGGCCACCAACCTGAGCCTTCAGAGAACCTGACCAGGGCAGGGAGAGCAGCACA
 GGGAAAGGGTAGGAATTGAGGTTGGAGCATAAGAGGAGGAGAACCATGAAAGATGAG
 GTGGTGTAGGTAGCAGCAAACGCACACAGAGCTACTTGGGAAGCAGGGCAGAGAC

 304512 CCTGACATCAAAGCTCGAAATTTCATGCAGGAGAGAGCTCTCTGAATGTTAGTAA
 TACTCAAAATGGCTCAGAGGAAACAAAGAATTCTTACAAAGATATAAAATGAGAAC
 AATTAAATGTCAGCTTTTACCGGATAGCACCATTGCTCTCATAAATCTCCATGTT
 TTGCAAAGCTTTGTGAGGACTTCATGTGCAATTAAAGCACTGAAGGTACATCCCAG
 TTTCTCAGCTTGCCTCCCTGGATTGGAGGTGTGACGGCTTAGGATGTGAATGCCTGAG
 [G, C]
 CTTCCAGAGCTCACATCTCAAGGAAATCTTGCATGGCCGAGGCTACCTCCCAGGCTCC
 AGGCAGGAGGCCAGAACCAACCTGAGGTAACAGGGAGTGGCCCAAGCCACTGCCTC
 CTTGGCCTGCCAGCACTGCCCTGTCTCAGCGTGAGTGTGGTGTGAGCTGAGGT
 ACCTAGTGTAAACCAGGTGACTGAGGTGAGAGAACCCATTGCGATGCTCTGAA
 AGGTAAACCTTGCCTGAGGTTGACCGCTAGGAAGGATGCTTAGGCACAATACCAAG

 305258 GTGGGGATGTAAGAGGAACCTCACTCACCGGGACATAGTGAUTGACTGGGTGAAGAGCT
 GTGGGCCACACTCAGGGCCAGGGCACTCAGAACGCTTGGCACCAAAGTGGCCCTGATAG
 GAGCTGGCTGGAGAGCCAGACCCCTGGGACAGACAGTCCCTGGCTAGGCAGAGAGGAGCA
 TTGGACACCTGAGCTACTACTGCCCTGCTGAAGCAGCAGATGAGGAGTGTGAGCTGGAAACC
 CCCAGAAGATAAGCCAGTCCCCATCTGAGATTTCAGCATCAGCAATACTGATCCCT
 [G, A]
 CTTATCGTGGCCCTTCTGAGCAGCTTCTAGGCCAAAGGCTAAGGAGCACCTCTTA
 GCCCAGAGGCCAGCCATTCCCACACCCACTCTGGGTTGAGGACCAAGGCAGGCTGAG
 AGCAGGAGAGTCGCCAGGTGGTTGAAATATAGTCAGAGGCCACAGGACTAATGAGTGTAT
 GCAAAGACGGCAGCAGGGCTATACAGTAACAAACGCAGGAGGCAAAAAGGACAAGGGA
 AAGTAGGGGTGACCTCGAAGAGCTGGCAGGGTGGTATGGCCAAGGCTTGTCCAGC

 307676 CCCCCATGATGTTGACTCTGGGGTGGGAGAGGGTGGCTAGTGAGACAGACCCCTCTC
 TGGGAGCTGTTCACCTGTGCTGCCAGATGGCAGGGCCCTGAAGTGGCATCCTTCTG
 AGTCCCTGAAGTCCGTGTGCCACAGGTGTTTCAGACACATTCACCTGGTCCCTTCAG

ATGACAGTGTGAAAGGAGCAGGATTACTGTCTGCAGAACCATAGCAGTTGACGCCCTCA
 ACCTCCTGACAAAGCTAGGGCTCCGGCTCACAGAGAAAGCGGGGCCGAGCAGCAGA
 [C, G]
 CTGTTATTCAAGAACAGGTGTCCCCTGGAGGGCTGCTTCCTCAAACCCAAACCCATCA
 AATATCCACTCCTCTCAGCTCCCACAATAATGCACCTCCAGAGACTCCTCTGAG
 CCACTTCCAGCCCTGGTGTGGTCTGACCCTCAATAGTCTACCTGTGCCATGGTCT
 TGGAAATGTGCTGATGCTGGCAGCAGGTTAACATCAGGGAAACGATGGCTGGAAACA
 GAAGTCACATCCCTGCCTTCATGGGTGTTGAAACACCCATCCCTGGTAAATTGCTGA

 309692 GCCCCAGCCCCCTGTAAAGCAGCCCTGGCCAGGCAGCTGACAGATGAAATATTCCAGG
 CCCAGAGTGAGCAGTGTGACTTTAAAAGTCTGTGTTAGACTAGACTGACTGCACCCAA
 CCTGTTCTTTGAAAACAGTGTCTCAGAAGGCTCAGGCCCTAACAGCTGTAAACCTC
 AAATGTCTACCAAGATGCCAGGCAGGGAGTAGCCCTCATCCCAGGGGAGAAGTGC
 GTCCCTAACATGGCACAACCACAAAGGCTCTGGCCGGGGCCTCAGTCTCACCAAAGGGAC
 [T, -]
 TGGCCTCTGGTCTCCAGCCCCGGTCTGATCCTCAGATGAAGATGTTCTGATGCCATG
 GGCACCTCAGGGAGAATGGCCTGCAAGTGGCTGCCCTCAGTCTCTGAGAGGGCAG
 TAAGCTTCCAGAGCGAAGTGAACACACCCCGCAGGTGCCACATGAATCAGCACCATGGCT
 GAGTTTCTGCTCTCAGATGTGACAGACATGGCTTGAAGTCACAAGCCAACAGGTTA
 GGAAGCTTTGGGCTCAGCTCTGAGTAGGCAGGAGTTAAGGAAACGCCCAAATTGAA

 311656 ATTTGCAAAATGCTTGAGATCCTGCACGTAGGATACCATTGTGAAAATCAGTTTT
 TGGTAACACTATTGACATGAAAATGTCCTTTTCTCCTGTAGAGAGCTTTTTCA
 AAATGCCCTCCATCAAAGGGTCAATTATGAACCTGGAAGACTTCCTGATACCATCAAG
 GTAGGCAGGTTACTCCCTGCCATGTGACCTAGGGTGCCCTCAGAACCTACACCTGA
 GGCTGCAGTGTGCCACCAGCCCCAGCCCCAAGGCAGGCCCTCAGGTGAAAAGTCTTA
 [G, T]
 CCCTGGAGGCAGTGTGCCGTATTACACAAAATCTCCTGGCAGGAGCTGTTCTAGGCT
 GCAGAAATTCAACAGGTTCAACACAGACAAAAACTCTGCCCTCACGGAACTTGATTG
 CAGGGAGGAGACAGATAAACAAACATGGATGCGTAGATTACAACGTGGTAGACTTT
 TGAGAACAGCAACACAGAGGGCAGGGTAGGGCAGGGCAGGGTGGGCAAATTAA
 ATACGATAGCCAGGGAAAGCCTCATCCAGAGGGCTATGTGAGCCAGGTGTTGAAGGG

 311776 AAATGCCCTCCATCAAAGGGTCAATTATGAACCTGGAAGACTTCCTGATACCATCAAG
 GTAGGCAGGTTACTCCCTGCCATGTGACCTAGGGTGCCCTCAGAACCTACACCTGA
 GGCTGCAGTGTGCCACCAGCCCCAAGGCAGGCCCTCAGGTGAAAAGTCTTA
 GCCCTGGAGGCAGTGTGCCGTATTACACAAAATCTCCTGGCAGGAGCTGTTCTAGGC
 TGCAGAAATTCAACAGGTTCAACACAGACAAAAACTCTGCCCTCACGGAACTTGATT
 [G, A]
 CAGGGAGGAGACAGATAAACAAACATGGATGCGTAGATTACAACGTGGTAGACTTT
 TGAGAACAGCAACACAGAGGGCAGGGTAGGGCAGGGCAGGGTGGGCAAATTAA
 ATACGATAGCCAGGGAAAGCCTCATCCAGAGGGCTATGTGAGCCAGGTGTTGAAGGG
 TGAGGGCAGTGCACGCACTGGGGAGATGTGCTCTAGCCCCCTAGGTAAAAT
 AGGTCTGATGGTAGGAGTGGTATGGGAAGCTGGGGCAGGGTCAAAGGTCTGGGGCCC

 311901 CAGTGTGCCACCAGCCCCAGCCCCAAGGCAGGCCCTGCAGGTGAAAAGTCTAGGCC
 GGAGGCAGTGTGCCGTATTACACAAAATCTCCTGGCAGGAGCTGTTCTAGGCTGCAG
 AAATTCAACAGGTTCAACACAGACAAAAACTCTGCCCTCACGGAACTTGATTGAG
 GAGGGAGACAGATAAACAAACATGGATGCGTAGATTACAACGTGGTAGACTTTGAG
 AACAGCAACACAGAGGGCAGGGTAGGGCAGGGCAGGGTGGGCAAATTAAATAC
 [G, A]
 ATAGCCCAGGGAAAGCCTCATCCAGAGGGCTATGTGAGCCAGGTGTTGAAGGGTGAGG
 GCACTGCCACGCAGTCAGTCACTGGGGAGATGTGCTCTAGCCCCCTAGGTAAAATAGTC
 TGATGGTAGGAGTGGTATGGGAAGCTGGGGCAGGGTCAAAGGTCTGGGGCCCTGGA
 AGCTAACCTAACGCACTTTGTTTACAATGGTAAAGTAGATTATTGGAGGGCTCAA
 GTCGAGAAGGGATGTGACTTATATTAAAGGAAGCACTTGGCTGCTGTTG

 312574 TGGGCACGATGGTGGTGAGGAGAGGCTGGATCATGGTATATTCTGAAGGGCGGTGCCA
 AGAGATTTGCTGATGAGTTGCACTGTGGTATTAGAAAAGAAAGGAGTCAGGATAACTCC
 AGGGTTTGGGATGAGGACTGGAAGGGATGGAGTTGCCATTAACTGAGACAGAGGAGACC
 ATGGGTGGAGGGAGGTTGGAGGGAAAGATCAGGAGTTAATTGGGGCATACTGAGTTG
 AGATGCTATCAGACATTCAAGTGGCAGTGTGAAACAGGCAGTTGGATAGACGAGGAGG
 [G, T]

CTTAGGGCTGAAGATGGAAACTTGGAAACCCCTAGCATACTGACAGCATTAAAGCTCTGAG
 TTGGATGAGATCACTGAGTAGGTGAATGTGGATAGAGAAGAGAAGCCAAGACAGAGCCCT
 AAGAGCCTCTGATGGGAAGAGGTCAAGGAAGAGGGTGGGAGGCCAAAAGAGAATGAGAG
 GAAGATGCCAGAGTGGTGGGAGGAACCCAGGCAAGTGCAATGTCCTAGGAGCCAAGAGA
 AGAGTGAGTCAGGAAGCGGTCAAGCTGTCCTAGTGAAAGCTCAGTTAACAGATGAGGAC

312593
 GAGAGGCTGGATCATGGGTATATTCTGAAGGGCGGTGCCAAAGAGATTGCTGATGAGTT
 GCATGTGGTTATTAGAAAAGAAGGAGTCCAGGATAACTCCAGGGTTTGGGCATGAGGA
 CTGGAAGGATGGAGTTGCCATTAACTGAGACAGAGGAGACCATGGTGGAGGAGGTTGG
 GAGGGAAAGATCAGGAGTTAATTGGGGCATACTGAGTTGAGATGCTATCAGACATTCA
 ACTGGCAGTGTGAACAGGCAAGTGGATAGACGAGGAGAGGGCTAGGCTGAAGATGGAAA
 [C, T]
 TTGGAACCCCTAGCATACTGACAGCATTAAAGCTCTGAGTTGGATGAGATCACTGAGT
 AGGTGAATGTGGATAGAGAAGAGAAGCCAAGACAGAGGCCCTAAGAGCCTCTGATGGGAAG
 AGGTCAAGGAAGAGGAGTGGGAGGCCAAAAGAGAATGAGAGGAAGATGCCAGAGTGGTGG
 GAGGAACCCAGGCAAGTGCAATGTCCTAGGAGCCAAGAGAAGAGTGAAGTCAGGAAGCGG
 TCAGCTGTCCTAGTGTGAAAGCTCAGTTAACATGAGGACAAGAGAAAGAGACTTGTAT

312694
 AGGGTTTGGCATGAGGACTGGAAGGATGGAGTTGCCATTAACACTGAGACAGAGGAGACC
 ATGGGTGGAGGAGTTGGAGGAAGATCAGGAGTTAATTGGGGCATACTGAGTTTG
 AGATGCTATCAGACATTCAAGTGGCAGTGTGAACAGGCAAGTGGATAGACGAGGAGAGG
 CCTAGGCTGAAGATGGAAACTTGGAAACCCCTAGCATACTGACAGCATTAAAGCTCTGA
 GTTGGATGAGATCACTGAGTAGGTGAATGTGGATAGAGAAGAGAAGCCAAGACAGAGCC
 [T, G]
 AAGAGCCTCTGATGGGAAGAGGTCAAGGAAGAGGGTGGGAGGCCAAAAGAGAATGAGAG
 GAAGATGCCAGAGTGGTGGGAGGAACCCAGGCAAGTGCAATGTCCTAGGAGCCAAGAGA
 AGAGTGAGTCAGGAAGCGGTCAAGTGTGAAAGCTCAGTTAACATGAGGAC
 AAAGAAAAGAGACTTGTATTAGTCATTGGAGGTCTCGGCTTGAAGGCAGTTCCACG
 CAGTGGGATGGGAGAGGGTACAAAGTCTCATGGATTGGTTAACATGAGTGGAGTGGAG
 G

313283
 TGGAGTGGGAAGAAAGGAACACTGGAGAAACTAAATGAAGATAATCTCTGAGGAGTTTG
 CAGCAAAGAACAGAAATAGGGCAGTAGCTAAAGGATAGCAGGGCAAGAAGGCTTTGCA
 AACACACGTGAGCAACCGGCATGTCGTGGATGAGCAGAGTCAGTAAAGGGGAAACT
 GAGGCTGTGAAGGAAGAGGCAGTACAACCAGATGACTCTTGAGTAGGCAGGGGAGG
 TGGAAATCCAGGGCCCAGGTTGGGATTGTCTTAGATGGATGGCGAGCCAGTTAAC
 [A, G]
 GGAAAGAAGCCTGAGAGTGTGAACCGACAGAGATGGTGGCTGGTGTGGTGGTGC
 TGCAGACGCTCTGTTCTCAGTGAATCAGGAAGCAAGGTCAAGGCTGAGCGTGAGGATAA
 GGGAAAGAGATGTGAAGTCTGAGGGAGGAGAAGAAGGTCGGGACGATTGTGAGGAG
 TGAAAGAGGGACAGATGCAGAGGGCGGAGTGAATCTTGGGAGCCTTCGGGACCCACT
 TGAGGGCCCTAGTCCTGAATCAAAGTGAGACTAGTCAGCAGGGTGGCGTTCCCCAGC

313403
 AACACACGTGAGCAACCGGCATGTCGTGGATGAGCAGAGTCAGTAAAGGAGAAACT
 GAGGCTGTGAAGGAAGAGGCAGTACAACCAGATGACTCTTGAGTAGGCAGGGGAGG
 TGGAAATCCAGGGCCCAGGTTGGGATTGTCTTAGATGGATGGCGAGACCCAGTTAAC
 GGGAAAGAAGCCTGAGAGTGTGAACCGACAGAGATGGTGGCTGGTGTGGTGGTGC
 GTGCAGACGCTCTGTTCTCAGTGAATCAGGAAGCAAGGTCAAGGCTGAGCGTGAGGATA
 [A, G]
 GGGAAAGAGATGTGAAGTCTGAGGGAGGAGAAGAAGGTCGGGACGATTGTGAGGAG
 TGAAAGAGGGACAGATGCAGAGGGCGGAGTGAATCTTGGGAGCCTTCGGGACCCACT
 TGAGGGCCCTAGTCCTGAATCAAAGTGAGACTAGTCAGCAGGGTGGCGTTCCCCAGC
 ATGTTCAAGCTACCCGGGTATAAGCAGACAGCACCCAGACAGATTTCACCAAGGGCTGGAG
 GTTGTCAAGAGAGGGTAAGGGATTGAGTGTGCAACAGTATCATTCCAGTGATTAAA

313982
 AGTATCATTCCAGTGATTTAAATCCATGGAATTCCATGGTAAGGGAGGAAGCAACATCAC
 CACAGGTGACAGGCATACAGTTGGCAGTAGATTCCCGTGGGCTGAAGAATTCTTGG
 GTCTGGATACCAGACAGAATAAACAGAAGAGATGGGAGGTGATCAAGAGTAGGATGCC
 TGTAGATATGAGTTTCAGGCTGCTATAATTGTAATGACAGTGTCTGGACTCCAGGATA
 TGGCCACCTGTAAGGTGGAGAGTTGGCAGGTAATCAACTTGGATGTTAAATCACCTGG
 [A, G]
 CTTACACAGGTGGCATATAAGGGAGACTGCTGTTAGCCATAGGCTACAACACAGGAAATG
 GGGTGGGGCATAACCCAGAGTCAGCAGGTGACTGCAGCAAAGAGGGCGGTGGTGGC
 GTGGAGCATGCACGGGGTTCCCTTCTCCCTGAGAGCAGGTTCTGAGGCAGGGTCT

CTTTTTATGCCCATTTACAGAAGAGGAACGGAGGCATCAAAAGTTGCACGTGGTGGTA
 GAGATGAAACTCAAATCAGGGGATGTCCTCCAAAATTAAACACCCTGGACACCACACAGAG

314043 ACAGGTGACAGGCATAACAGTTGGTCAGTAGATTCCCAGGTGGGCTGAAGAATTCTGGAG
 TCTGGATACCAGACAGAATAAACAGAAGAGATGGGAGGTGATCAGAGAGTAGGATGCCT
 GTAGATATGAGTTTCAGGCTGCTATAATTGTAATGACAGTGTCTGGACTCCAGGATAT
 GGCCACCTGTAAGGTGGAGAGTTGGCAGGTAATCAACTGGATGTTAAATCACCTGGCA
 CTTACACAGGTGGCATATAAGGGAGACTGCTTAGCCATAGGCTACAACACAGGAATG
 [G, A]
 GGTGGGGCATAACCCAGAGTCAGCAGGTGACTGCAGCAAAGAGGGCGGTGGTGGCACG
 TGGAGCATGCACGGGGTTCCCTTCTCCCTGAGAGCAGGTTCTGAGGCAGGGTCTC
 TTTTATGCCCATTTACAGAAGAGGAACGGAGGCATCAAAAGTTGCACGTGGTGGTAG
 AGATGAAACTCAAATCAGGGGATGTCCTCCAAAATTAAACACCCTGGACACCACAGAGT
 ACCTTCCAACACAGACAGGTTGACCATGAGTAAGATTGGCCCTGGCCCCAGGGAGTCC

314103 TCTGGATACCAGACAGAATAAACAGAAGAGATGGGAGGTGATCAGAGAGTAGGATGCCT
 GTAGATATGAGTTTCAGGCTGCTATAATTGTAATGACAGTGTCTGGACTCCAGGATAT
 GGCCACCTGTAAGGTGGAGAGTTGGCAGGTAATCAACTGGATGTTAAATCACCTGGCA
 CTTACACAGGTGGCATATAAGGGAGACTGCTTAGCCATAGGCTACAACACAGGAATG
 GGGTGGGGCATAACCCAGAGTCAGCAGGTGACTGCAGCAAAGAGGGCGGTGGTGGCAC
 [G, A]
 TGGAGCATGCACGGGGTTCCCTTCTCCCTGAGAGCAGGTTCTGAGGCAGGGTCTC
 TTTTATGCCCATTTACAGAAGAGGAACGGAGGCATCAAAAGTTGCACGTGGTGGTAG
 AGATGAAACTCAAATCAGGGGATGTCCTCCAAAATTAAACACCCTGGACACCACAGAGT
 ACCTTCCAACACAGACAGGTTGACCATGAGTAAGATTGGCCCTGGCCCCAGGGAGTCC
 ACTCTCTATGGAAAACAAGACGTGTGCAAAACAAGGCAAAAGGCTGTGGGACGGTTG

314832 GTCAGAGGCAACAGCCTAACCGTAAGCGTAAGAACAGATGGGAGGCTCCAGACCCTAACATGG
 CCAACTCGTCCCGTGCCTGGACAAATAAAAGAGAAGAAATGATGCAGGAGGGAGGATT
 AGAACGATAACAGCAAGGGCGTGTAGGGAGCTAAATGCAATCACACACAACCCCAA
 ATCTCAGGGCTTAGTCAATATTATTAGTGCAAAAGATTGTTCTCCATTCTGTAAACA
 GCTCAAGGCTGGTGTTCAGTTCTGTGCACACAGTGACATGGGACTCGGACACCTCAG
 [G, T]
 ATGTGGTTCTCGTCTCTGGGCTCAGATCCTTACTGGATGCTGCATCTGCCGG
 TATACTAGGATGGAGAGAGTAGAGAGGCTTGCAAGGAGCTGTTGGAGGCCAGCAAAG
 CCCTTGACACCCATCCCTGACACATTCCACTGGCCAGAACTCAGTCATATGGATGCCT
 CAACTACAGGAAGAGCTGGGAAATGTAGTCCAGCTGTGTCCACAGGAGGGATGGATGCA
 GTTGAGGTGAACACAGAGCATTCTGCCAACAGACATGCAGGCCACAGAGTTGGCAT

315368 ATGCAGGTTGAGGTGAACACAGAGCATTCTGCCCCAAAGACATGCAGGCCACAGAGTTG
 GGCATGTCAAGGAAGCCAGGGAAAGCATGGAGGGTGTGGTCAAAGTCAGTTGAGGAGGAC
 CGACACTGTAGACACCCACAGGGAAAGACTGAGGACTAGGAAACTCCAGAGAGACTGTAGAAGA
 CCTGAACACAGATGCAAAAGTGGGAAACAGAAAAGGGCACAAAAAGAAAGATGATTCTGGG
 AGGCTTTGTGGCCCTTGCAGGGGGTGGCGGTGGAGAGAAGGGAGCTGAACAGTGAAGA
 [C, G]
 CATTCCGAGAGATCGCCACAGGGCCAAGATGGCCCTGCCTCTCTTAGCTCTGGG
 GGTGCCGGAAAGGCAGGGTCAGGCCCTGTGGAGATGGAGTGGAGCTGGGGAGGTGGCTGTGACGG
 TCCTCCGCACTGCAAGGCTCCACAGAGGGAGAAGAAAAGGATCTTTAATT
 CTTCTCAGGCCCTCACCTGACGAAGGAGAAATACACCCAACATTGTTATCTCTCAGAAA
 ATACTCTCTGGAATCATAAAAGGAAATACAGTGAAGCTAGACCACGAAGGCTGCCCT

315431 ATGTCAAGGAAGCCAGGGAAAGCATGGAGGGTGTGGTCAAAGTCAGTTGAGGAGGACCGA
 CCTGTAGACACCCACAGGGAAAGACTGAGGACTAGGAAACTCCAGAGAGACTGTAGAAGACCT
 GAACACAGATGCAAAAGTGGGAAACAGAAAAGGGCACAAAAAGAAAGATGATTCTGGGAGG
 CTCTGTGGCCCTTGCAGGGGGTGGCGGTGGAGAGAAGGGAGCTGAACAGTGAAGACCA
 TTCCGAGAGTTGCCACAGGGCCAAGATGGCCCTGCCTCTCTTAGCTCTGGGG
 [T, C]
 GCCGGAAAGGCAGGGTCAGGCCCTGTGGAGATGGAGTGGCGGGAGGTGGCTGTGACGGTCC
 TCCGCAGTCCATAGCCTGGCCCCACAGAGGGAGAAGAAAGGATCTTTAATTCTT
 CTCAGGCCCTCACCTGACGAAGGAGAAATATCACCCAACATTGTTATCTCTCAGAAAATA
 CTCTCTGGAATCATAAAAGGAAATACAGTGAAGCTAGACCACGAAGGCTGCCCTAA
 ATCAGGAGCTTCTAAATTACACAGTGGCGCTCTAATTCTCGGAATGAAAACATTAA

315993 ACAGTGGCGCTCTAATCCTCGGAATGAAAACATTAAAGATGACAATGTCCCTTAA
 TCAAATGCCCTGGGAGTTGCTGTAAAGAGTCAGTGGGTTTTTCCCTGTGAGGA
 TTTTTTTTTTGCTCTTTCACCTTATAATAAAATATAAAATCATAACTTGTGGGGCAG
 GCTCTACAGAGCAAGCTGGAACATGGATTTCTGAAAATGAAGGTTTTTAATGGGA
 ATCATCTCATCTCAGGAAGCATGAGAGTCTCAATGATGAGTTGCTACTTCACACTTC
 [T, -]
 TTTTTTTTTTGATTACAGGTGGGCCTCAGGCCTAGCTGTGGCACCACTGTGATGAA
 TCATGATGGCACACCCCAGGAGGCCAGTGGCTGACTCAACCCCTCTGGAGCGGCCACT
 GTGCTCAAGCTGTGCGAGGTAGGGCAGGGAGGCACAGCCTGGGAGGTAGCATGTAGAG
 GCAGGAGGACTGGGCCTGGAGGAAGGGCATGGTCACACCCCTGGCCCTTCAGGC
 AGGCCTGGTGTGAGCTCTTGTGCCACAAAGAGAACCCAGAGGCTAGTGCAGCCCCAG

316107 TGAGGTTTTTTTGCTCTTTCACCTTATAATAAAATATAAAATCATAACTTGTGG
 GGGCAGGCCTACAGAGCAAGCTGTGAACATGGATTTCTGAAAATGAAGGTTTTTA
 ATGGGAATCATCTCATCTCAGGAAGCATGAGAGTCTCAATGATGAGTTGCTACTTCAC
 ACTTTCTTTTTTTTGATTACAGGTGGGCCTCAGGCCTAGCTGTGGCACCACTG
 TGATGAATCATGATGGCACACCCCAGGAGGCCAGTGGCTGACTCAACCCCTCTGGAGC
 [A, G]
 GCCACTGTGCTCAAGCTGTGCGAGGTAGGGCAGGGAGGCACAGCCTGGGAGGTAGCAT
 GTAGAGGCAGGAGGACTGGGCCTGGAGGAAGGGCATGGTCACACCCCTGGCCCTT
 CCAGGCAGGCCTGGTGTGAGCTTGTGCCACAAAGAGAACCCAGAGGCTAGTGCAG
 CCCCAGGAGGAAGGGTGGGAGCCACGGTCAGAGAAGGCTGCATGGCAAGGTGGACTTG
 TTTTCTGCATTCTGGTGTGAAAAGGGTCAGAGATGGAGAAAGAACTGGCGAGTTGACC

316352 AATCATGATGGCACACCCCAGGAGGCCAGTGGCTGACTCAACCCCTCTGGAGCGGCCA
 CTGTGCTCAAGCTGTGCGAGGTAGGGCAGGGAGGCACAGCCTGGGAGGTAGCATGTAG
 AGGCAGGAGGACTGGGCCTGGAGGAAGGGCATGGTCACACCCCTGGCCCTTCAG
 GCAGGCCTGGTGTGAGCTTGTGCCACAAAGAGAACCCAGAGGCTAGTGCAGCCCC
 AGGAGGAAGGGTGGGAGCCACGGTCAGAGAAGGCTGCATGGCAAGGTGGACTTGT
 [C, G]
 TGCATTCTGGTGTGAAAAGGGTCAGAGATGGAGAAAGAACTGGCGAGTTGACCCAGGC
 TCGGGAAAGTACCAAGGGCAGCACGACCCCAAGGGCTGCCCCCTGGTCTGCCACTCCCTCT
 CTCTGCGATCCTCCATGCCCCATCTCCATGGCTGGGTGGAGACTCAAGGCCT
 GGCAGGGCCAAGTCTGGAAAGCTGCTGGACAGTTGTAACCAAGGTAGGAAAGCAGTCTCT
 GATATTTAGAAAAGTGTCAAGGTTAGGTCTGAAATCGCAGGGCTGCTGATTAAAAC

319520 ATATTTGGACAGATAGAGAAGGAAAGGGCTACTTCAAGGCAAGAGAAAGGCTCAGAAG
 AAGGATTAGGAGTGGGATTCAAGAATATAATTCTTCAGTATTAAGTACCTGCTAAAGG
 TGGGCAGATCAATAGCGGGGCACTGGGTTGTGACCTCATTTTCAGCTCTGCCCTGCTT
 TGCCCTGAGGCTCCAGACCTCGCAGCCCCAAGGTTCCACTGTTATCCCAGTTCCAAG
 GGCAGCTGGGATCTGACCTTGCTCCTGAGAAATGCTGCATGAAAGAGGGGCATACACTCT
 [G, A]
 TGGAGCTCCCTGCCAAGGGCTCCTCCAGGCCAGGCTGTGCTCTGAGGCCAGGCTGC
 AGAGACGGGAGGATGGCACAGCACCCACTCTAGGGTATGGAGAGCAGCTCTGACAGACC
 CTCACCTCAGTCTTGAGAAAGAGCAGACAGTTTCTGTAACCGAGGAATAATTCT
 CAAGGTGGACATGCGACCCAGAAAAATGGAGTGTGCTTAGTCCCAGATGCCCTCCA
 GCGCTGTCCAGCTGTCTGACAGGGCTGCCACTCGGATAGGTCAAGCGAGGCCAG

319699 TTGCCCTGAGGCTCCAGACCTCGCAGCCCCAAGGTTCCACTGTTATCCCAGTTCCAA
 GGGCAGCTGGGATCTGACCTTGCTCTGAGAAATGCTGCATGAAAGAGGGGCATACACTC
 TGTGGAGCTCCCTGCCAAGGGCTCCTCCAGGCCAGGCTGTGCTCTGAGGCCAGGCT
 GCAGAGACGGGAGGATGGCACAGCACCCACTCTAGGGTATGGAGAGCAGCCTCTGACAGA
 CCCTCACCTCAGTCTTGAGAAAGAGCAGACAGTTTCTGTAACCGAGGAATAATT
 [A, C]
 TCAAGGTGGACATGCGACCCAGAAAAATGGAGTGTGCTTAGTCCCCAGATGCCCTCC
 AGCGCTGTCCAGCTGTCTGACAGGGCTGCCACTCGGATAGGTCAAGCGAGGCCA
 GAGCCCTTTCACAGGCACCTTGGGCTTGGGTCTACCTCACTTCCAGGACACAAAG
 GCTCTCCCTAGGCAGGCTGTCCCAGCATCCAGGCCAAGGGGCTCAGGCAGAGGCTCT
 TTAAAAGCTGGTGTCTCATCTTGATGAGTTCTGCTGGGGCTCTGAGCATTGTGACT

320863 ATAAATCCAGGCAAGTCCAAGTCAAACAAACAGCCTTCTCTGCTTCTGAGGCAG
 GAGATTGGGATAAGGCATGAGGGAGAGATGCAGAGTGTGCTGTGATGTGGCAGTCATGGA
 AGGCAGGCTCCCTGGAGGGAGGTGGTGTGCTTGGCATTGAATGGCAGTCAGAAGGATGTGTG

TGATTGGAGTAAAGGCAGGAAGAACAGTGGGAGCAAAGAAGACACTGAGGCTGGAGGA
 CACAGAATACATTCAAGAACGGCACTGTTGTATCCTAGAGCAGAGTCAGGGCAGCAGG
 [G, A]
 GGCAGTGGGACCACAGTCAGTCAGACTATAGAGGCCTGGAATGAGAGGCCAA
 GAACAGCCATCCAAGCTCTGGCAGGGAGAACAGCAGATCCAGGGCTGAGCTGGTGGGA
 TGCCTATGCCATCTAGGAAATGAAATGACCCAACTGCCGCTCCATCATAGGCCAG
 CACCCAGGTAGCATCCGAGCCACTGCTGATTAAAGAGATGTGCATGCAGCTGTCAATTCA
 CAGACTCCCAGCAATAGTGTACCTCCTCGGTAGAATAGTCACCTACAAAGCATT

 321530 CACTGCAAGCCCCACCTCCTGGGTTCATGCCATTCTCCTGCCTCAGCCTCCGAGTAGCT
 GGGACTACAGGCAGGCCACCACACCTGGCTAATTTTGATTTTAGAGACGGA
 GTTTCACCATGTTAGCCAGGATGGTCTCGATCCTGACCTTGTGATCCACCCGCTCAG
 CCTCCCAAAGTGTGAAATTACAGGCAGGCTGAGCCACCCGCTCCGCCAACCTACAAGCTT
 TAACACACTGAAAGCAGAGGATTCTGCCGAAAGCAGTGGTATTTGGACTTGTGAACA
 [T, C]
 AAAGATGGGAATGCAACCAGGAATGCAGGGGCTGCCTAGAGTCAGGGTTGTTTAA
 GTAAGAGAGACAGAATGATATTACAATCAGTACTTCTCAATTAGGTTTCTTTTATG
 GGATTGAAAATTCTCATTCAAGCCCCATGGAGAGATGTGGTCTGAGGGCAGCATTGAGG
 CGATCAGTGTCTAAAATTCCAGACGCTCACAGACACTAAAGTAAAACAGAGAGA
 AACAAAATTGTTCCAAAAGCAGCAAAGAAGGCTGATCTGCTTAGGATCCTTGAG

 323257 GCAGGACATGCCCTGGCCTGGAGGAAACAGGGAAATCATTCTTGGAACTGTTAAGA
 GGAAAATGTGAGAATTCAAGATCCTACTCCATGGCAGTTCTGAGGGTAATTTAGGGCC
 AAGGGAAATGGGGCACCTTCTGCCAAGTCAGAGAGAACCTTGGTACAGAGGCC
 TTCAGGGAAAGGCTAGGGTCCCAGCCAGCTGGCACCTGACTGAACCTACTTGAGCTGTA
 TGTGTCCTCATTCTGCCAGGACACTGGTCAAAGCTGAAATATTACTATTACAAG
 [A, G]
 TTTAGCAGTGCACCTCCATCAAGATTCCATTGTCTTCTCGCTCTCTCATTGT
 TTACAAATATTCTTGACTCTCTCTTCAAAACAGTGCCTGCCATTATAATC
 AGAAGACAATAAAACTTGTCAAATCTCCCTTCCATGAACCTAGCCAGGCATAGA
 AGGGGCAACACCAAGGGTGTGCCTATTGACTCAATGCCATTGGACCACTCTCAGGGC
 GCCTCAGTGGGCTTCCATAGCATCACCTATCATTTGTGCCACTTACTCCAGAGCCTT

 323754 GTGTGCCTATTGACTCATGCCATTTGACCACTCTCAGGGCCGCCAGTGGGCTTC
 CATAGCATCACCTATCATCTTGCTGCCACTACTCCAGAGCCTTCGCTGGCTCCCTATT
 CCCACCTCACCAAGTCTGAGCACCTCTGCCCTGCTCGTAGGTCTCGTGCCTAGCCAGTC
 CTTCACAGCACCCCTGACACCCCTACTCAGCCTGCTCTTCCCGTGGTCTGTTACTCCC
 CTACCCCTACCCAGGACTTCTCCAAGCAAAAGCTAATATGTTAAGGAAGGCAAGGACC
 [A, G]
 TGTCAGATATCCTCCAGCATCTGACACCGAGCATTCTCCAACCTGAGACAGTTATAA
 TCATTCAAAGTAGAGAATGCCAAGAACAGACTGCCCTGTTGGGTTCATCAAATCTGGA
 TGCCTGAATCTTCCAGGAGGGTGCCTAAGGACTTAAGAAAAAGACCGAGTGTCAAG
 GCAGAGTCCAAGGAGTGGTCCAGAGCAGCACATGCCAGGGCTGTGTCACAGGTTG
 AGTGGGAAGAGGAAGAGGATAATGCCAAGGATGTAGAGGGAGGAGACTGCCGGCAGGC

 324544 TTGATTAGCAGCAGTCTGACCTGGAGCATGGACTTGTGAGAATTGCTCTTATGATGT
 CTTGGAGTCCAAATTGCAAGATGGTCTCTGCTGAGGTTGGGCTGGATCAGCGTGAGAGA
 AGGGACAGTGTGGCAGCCCCCTCCACATCTGAGGATAACATCTGCCCTACAT
 GTGTCTCTGGTCTTGCCTGATATGGTTGGTCCATGCCACCCAAATCTCATGTT
 GAATTGTAATTCTCAATGCTGGGGAGGGACCTGATGGGAGGTGATTGGATCATGGATC
 [A, G]
 AATTTCCTGCCACTCTCATGATAGTGAGTTCCAAGAGACTGATGTTCAAAGT
 GTGTAGCATTCCGCCCTTGCTCTCTCTGCTCTGCCATATTAAGACATGCTGCT
 TCCCTCTGCCCTGCTGATGATTGAACTTCTGCTTCAATAACCCAGTCAG
 ACAGCCTGAGGAACGTGAATCAACTAAATCTGCTTCAATAACCCAGTCAG
 GTAGTTTATAGCAGTGTGAGAACAGACCAATATTGCCCTACACCCATGCAGTGCT

 324599 ATGTGCTTGGAGTTCCAAATTGCAAGATGGTCTCTGAGGTTGGGCTGGATCAGCGTG
 AGAGAAGGGACAGTGTGGCAGCCCCCTCCACATCTGAGGATAACATCTGCCCTC
 TACATGTGCTCTGGTCTTGCCTGATATGGTTGGTCCATGCCACCCAAATCTC
 ATGTTGAATTGTAATTCTCAATGCTGGGGAGGGACCTGATGGGAGGTGATTGGATCATG
 GGATCAAATTCCCTGCCACTCTCATGATAGTGAGTTCCACAAGATCTGATGTT
 [A, C]

AAAGTGTGACTCCGCCTTGCTCTTCCTGCTGCCATATTAAGACATGC
 TTGCTTCCCTCTGCCATGATTGAAAGTTCTGAGGCCTCCAGCCATGCTT
 CCTGTACAGCCTGAGGAACGTGAATCAACTAAATCTCTTCTCATCAATAACCCAGT
 CTCAGGTAGTTTTATAGCAGTGTGAGAACAGACCAATAATTGCCCTACACCCATGCA
 GTGCTGTGAGCCAACAGCCCCTGTCCAATTCCATATAATGGTTCTATGAGCCACTGCC

324921 TTTGCTCTTCTCTCGCTGCCATATTAAGACATGCTTGCTTCCCTCTGCCCTCTG
 CCATGATTGAAAGTTCTGAGGCCTCCAGCCATGCTTCTGTACAGCCTGAGGAACGT
 TGAATCAACTAAATCTCTTCTCATCAATAACCCAGTCTCAGGTAGTTTTATAGCA
 GTGTGAGAACAGACCAATAATTGCCCTACACCCATGCAAGTGTGAGCCAACAGCCC
 CTGTCCAATTCCATATAATGGTTCTATGAGCCACTGCCCTGGCAAATGCACCTATGG
 [C, T]
 CAAACATCTCCAGGGCCTGCTCTCAATTCTACCCCAAGCAGCACTAGAATTCTACCC
 CTGGGATCTGCTGCCAGGTCTGTATAGGAAGGAATGCCACCATGTGTCTGGCATTAT
 TTGGGATGAACAAGAAGGTGAGAGAGAGAACAGTGGAAAGCAGACTGTCCCCCTGGATCTGG
 ACCATGTAATAGACTCTCACCAGCTGTCTTGTATTGCTTCTTGTCACTGCCA
 ATGGCACACATCTTCCAAGACAGGGCCAGGTCACTGTCCACCATTTGACAAGGCCAG

327295 GGACTGCAGCAGCTTGTAGGGAGCTCAGCTGGGAATCTGCAGAGCTGGGAGATTTAC
 CTCTCTGAGTCTCAGTTCTCATCTGTACAATGGAAGTAATTGTACAGAAACATGTC
 TGAGGGTCAAGGAGAAAATGTGTAAAGGGCTTAGCAGAGTGCAGGCAGGGTGTCA
 GGGATGTCAGATTTATTACTGTATTATCTGCTCTAAGTCCCACCTATTTCAGAGA
 TATTTCCTAGGAAAAGGGTTCAAGGCAACAGTCAGCAGGGACCTCTGAGGTCTGGA
 [C, G]
 TCAAGACCTTGAAGTGTCCCTCAAGGCCATTAATGCAGATCACAAATACCAGGCCAGGA
 TTTGAGCTAAAGGAGAGAACAGCTGGCTCAGGGCTCCAAGGAGGTGGCTGGTGAAG
 GGGCAGGACAAAAGCAACTCCAGGGGGTGTCCAGACACAGGGACCAGTGTGCAGGCTCA
 CTGCTCACCCACCAACTGTTACCCAGCACGTCCATGTGTGGGCAGTGGCAGGCTGC
 TGGCATTTAATGGTAAGCAAAGCCAGATGTGGTCTGCCCTGGAGAACATTACAGTTCT

330836 ACCCTCTGCTATTGTGGTGAGGGCCGCATGTTCCAGGCCACGGGACTGAGCTCAGAAGA
 GCACACGGCTCTGGTCACAAGAATGGCAGAGGGTGTAAATCCCTGTGCGTGGCGT
 CTTGCTATGAGGCCACCTACTCCGGACTGGCTTTATCTTTCACATC
 AGCACCAAGTGTCCCTGGCATGAACCCCCAAAAACAGTTCAAGAAGAGGGCTCCTCCTAC
 ATCATGCCGTGGGGAAAGAAAGCCCAGGGCCAGATCCCCAGAGTCAGCCCCACTC
 [G, A]
 TGAGGCTGTTATCCAGAGCATCAGGGCCACCCCAAGGGCAAGTCAGGTCTAGGAGG
 GCCCCAGCCTCTGCAAGCTCCTCCAGGACTGCCCAGGGCAGAGAGAAGGAAGCTG
 ATGGGAATAGCAATAACATTCTTCTGTAAAGATTCTATTGCTTGTAGCCCTATG
 TTTCTATGATAATATTCAAGTTAGATAGTAAGTGGAGTGCAGCATACTAGA
 AAAGTGCACAGCTCAATGAAGCAGACAAGAGCATGCTGTGCAACCAACTGTCCCCATAAGA

331239 GCAGAGAGAAAGGAAGCTGATGGGAATAGCAATACATTCTTCTGTAAAGATTCTAT
 TTGCTGTTAGCCCTATGTTCTATGATAATATTTCAGTTAGATAGTAAGTG
 GAGTGCAGCATACTAGAAAAGTCACAGCTCAATGAAGCAGACAAGAGCATGCTGTGCA
 ACCACTGTCCCCATAAGAAATACAGTGCAGCCACCTCAAGCAGCCCTCTGCC
 GCACCAATCCCCATACCGCTCTTACCTGACACAATTATCATCCCACCTTCTTTC
 [T, -]
 TTTTTTTTTGAGACCGAGTCTTGCTCTGTTGCCAGTCTGGAGTGCATGGACAATGGCACAATC
 TCGGCTCACGCTCTGCCTCTCAGGTTCAAGCAATTCTGCTTAAGCCTCCAGTA
 GCTGGGATTACAGGGCACACGCCACACCCAGCTAATTATTTCATTTTAGTAGA
 GACAGGGTTTCACCATGTTGCCAGGCTGATTCAAACCTCCGACCTCAGGTGATCCACC
 CGCCTGGCTCCAAAGTGTGGAATTACAGGAGTGAGCCACCGGCCAGCCTATTAC
 GCCTGGCTCCAAAGTGTGGAATTACAGGAGTGAGCCACCGGCCAGCCTATTAC

331612 AGCCTCTGCCTCTCAGGTTCAAGCAATTCTGCTAAGCCTCCAAAGTAGCTGGGATTACA
 GGGGCACACCGCCACACCCAGCTAATTATTTCATTTTAGTAGAGACAGGGTTCA
 CCATGTTGGCAGGCTGATTCAAACTCCCGACCTCAGGTGATCCACCCGCCCTGGCTC
 CCAAAAGTGTGGAATTACAGGAGTGAGCCACCGGCCAGCCTATTACCTGTCTTCTA
 ATATCACAGAGTAATTGCTATGTTGAACCTTGTATCAACGGACTCATAACAGAATGA
 [T, C]
 CTCTGTGTGCCCTGGCTGCTGCTTCAAACATATGCTGTGAGATTGCTTATTGTCACTTC
 ATTATAGCAGGAGTTGTTCTTCTTCAATTGATGATAATATTCTGTTGAAGAATATGCC
 ACCTGGGTTGATGTACCAAGCTGTTCCAGTTGGAAAATTATAAATAATGGTCTATG

AATGTTCTTGTGCAAGCCTTGGTATGCATCTGTAGAAAATCTATCTTCGCATCAA
ATTGCTGGTGGAGAATATGCACAGAGTAACAAGATATTGATGCCTGGTTAACATGCT

331823 CGCGCCCAGCCTATTACCCGTCTTCTAATATCACAGAGTAATTTGCCTATGTTGAA
CTTTGTATCAACGGACTCATACAGAATGATCTGTGCGCTGGCTGCTTCAA
ATGTCGTGAGATTGCTATTGTCACTTATAGCAGGAGTTGTTCCCTTCATT
GATGATAATATTCTGTGTAAGAATATGCCACCTGGGTTGATGTACCAAGCTTGTCCAG
TTGGGAAAATTATAAATAATGGCCTATGAATGTTCTTGTGCAAGCCTTGGTATGCAT
[C, T]
TCTGTCAGAAAATCTATCTCTCGCATCAAATTGCTGGTGGAGAATATGCACAGAGTAACA
AGATATTGATGCCTGGTTAAACATGCTCTGTTATAAGAGTAGACACTTAACCATGGT
GGGGAGTGGGAGGGATGGCCTTGGCCCAAGGTACCCATTGAGGGCCAGCTTGGGACA
CAGTCTTGAGGGGTCAATTATTATTCACCATGGCCTTGAGACCCCTGGGTGTCCTA
CAGGGCCCTCCCTGCCTTGGTCAGGGACACTTTCAAGAATTGCCATAAGGCTAAGG

334749 CAACTCCATCAGCCCCAGCCACC GCCATGGCCATGTTGAGAGTTGCAAAGAAAAATGA
ACACTTGGCCTCAAAGTGCAGGCATTAATATCCTAAGTGTCTCATGGAAGACTTG
TTCCTCAAGGAGAGTAATCTTCTTGTGGGATGCAGCAGGCTAAGGACCAAGCTGACT
CTCTGAGCTCAGTAATCAGGCTAGTCTCCTGCTGGAGGCACAGAAGGAACTCCGCTGTG
TGTCA GCA CCTCCTGCATGCCCTGACTCATGCTTGGGGAGGACGGTGGAGTGAGAGC
[A, G]
GATATGGACCCCTCCGGCAGAGCTCCGTATCCCTGGAGTGGTTACTCCTCCGC
TGCCTGCAAACGTAGGTTCCCTCAGCTACGCAAGGCCGTGAAACACAGATACGTGGT
CACAAGCATCTTGCAGCTGTTCTTCCACCAAGCCTGGGGCTGCTGGTTCTGAAAC
CTCAGGGTAAGTCAAGCCTCAGAGGTCACTCAGTAGCCAGTATCCACTGTTCTGCACCCCT
TGGGAGAAGCTCGAAGAACAGGGCTGCCAATTCTCAGTAAGATCCCCAGGTAACCCCT